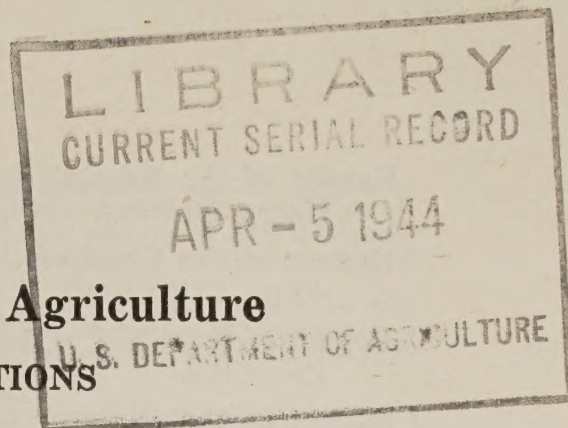


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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JANUARY 1944

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FARMERS' BULLETINS

Practical irrigation. M. R. Lewis, Soil Conservation Service. 69 p., illus. (F. B. 1922F.) (Supersedes F. B. 864.) Price 10¢.

Sagebrush burning—Good and bad. Joseph F. Pechanec and George Stewart, Forest Service. 32 p., illus. (F. B. 1948F.) Price 10¢.

LEAFLETS

Control of mole crickets by use of poisoned baits. C. B. Wisecup, Bureau of Entomology and Plant Quarantine and N. C. Hayslip, State Plant Board of Florida. 6 p., illus. (Leaf. 237L.) Supersedes F. B. 1561. Price 5¢.

TECHNICAL BULLETINS

Corn-molasses mixtures compared with corn for fattening beef cattle in the coastal plain area. Earl W. McComas and James R. Douglas, Bureau of Animal Industry, and Byron L. Southwell, Georgia Coastal Plain Experiment Station. 10 p., illus. (T. B. 864T.) Price 5¢.

CIRCULARS

The Midland and Fairpeake strawberries. George M. Darrow, Bureau of Plant Industry, Soils, and Agricultural Engineering. 4 p., illus. (Cir. 694C.) Price 5¢.

STATISTICAL BULLETINS

Stumpage and log prices for the calendar year 1942. Henry B. Steer, Forest Service. 128 p. (S. B. 79S.) Price 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. November 1943. (S. R. A.-B. A. I. 439.) Pp. 71-74. Price 5¢, per copy; 25¢ a year.¹

Notices of judgment under the Insecticide Act. Nos. 1871-1885. Food Distribution Administration. Pp. 571-579. (N. J., I. F. 1871-1885.)²

OTHER PUBLICATIONS

A Bibliography on the Japanese in American agriculture. Compiled by Helen E. Hennefrund, Library, United States Department of Agriculture and Orpha Cummings, University of California. 61 p. (Bib. Bull. 3.) Price 15¢.

Instructions for employees engaged in eradicating foot-and-mouth disease. Bureau of Animal Industry. 36 p. Revision.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

- Report of the Administrator of the Rural Electrification Administration, 1943.** Harry Slattery. 19 p. Price 5¢.
- Report of the Chief of the Agricultural Adjustment Agency, 1943.** N. E. Dodd. 45 p. Price 10¢.³
- Report of the Chief of the Soil Conservation Service, 1943.** H. H. Bennett. 48 p. Price 10¢.²
- Report of the Director of the Food Distribution Administration, 1943.** Roy F. Hendrickson. 124 p. Price 15¢.
- Report of the Manager of the Federal Crop Insurance Corporation, 1943.** J. Carl Wright. 32 p. Price 10¢.

AGRICULTURAL WAR INFORMATION

- Protect terrace outlets with grass for food production.** Soil Conservation Service. 8 p., illus. (AWI-79.)
- Granular ammonium nitrate, a high-analysis, low-cost, all-purpose nitrogen fertilizer.** Bureau of Plant Industry, Soils, and Agricultural Engineering. [8] p., illus. (AWI-81.)

THE FARMER AND THE WAR

- 7. What post-war policies for agriculture?** Bureau of Agricultural Economics. 13 p. Price 5¢.

FARM CREDIT ADMINISTRATION

- Agricultural credit in Mexico.** Julia L. Wooster and Walter Bauer, Farm Credit Administration. 56 p., illus. (CR-4.)⁴
- Mortgage loans on part-time or full-time farms where dependable outside income is available.** Farm Credit Administration. Folder.⁴

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation.** Vol. 27, No. 12, December 1943; Vol. 28, No. 1, January 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹
- Agriculture decisions.** Vol. 2, No. 11, November 1943. Price 15¢ a copy; \$1.50 a year.¹
- Agriculture in the Americas.** Vol. 4, No. 1, February 1944. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹
- Bibliography of agriculture.** Vol. 4, No. 1, January 1944. 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.¹
- Consumers' guide.** Vol. 10, No. 3, February 1944. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹
- Experiment station record.** Vol. 90, No. 2, February 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹
- Extension service review.** Vol. 15, No. 1, January 1944. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹
- Foreign agriculture.** Index to Vol. VII—1943. For sale only. Price 5¢ a copy. Vol. 8, No. 1, January 1944. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹
- Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

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² These may be obtained from the issuing bureau.

³ Apply to the Agricultural Adjustment Agency.

⁴ May be obtained from Farm Credit Administration, Kansas City, Mo.

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Farmers' Bulletins	AWI	Other publications

Journal of agricultural research—Continued.

— Vol. 68, No. 1. January 1, 1944. Illus. Contents:

The big vein disease of lettuce in relation to soil moisture (G-1286). Dean E. Pryor.
 Apparent photosynthesis and transpiration of pecan leaves treated with bordeaux mixture and lead arsenate (G-1287). A. J. Loustalot.
 Cytological and genetic analysis of chromosomal association and behavior during meiosis in hexaploid timothy (*Phleum pratense*) (G-1292). W. M. Myers.
 Effect of heat treatment and oil extraction on the utilization and digestibility of soybean protein by lambs (N. Y. (Cornell) 53). J. I. Miller and F. B. Morrison.

— Vol. 68, No. 2. January 15, 1944. Illus. Contents:

Influence of variety, location, fertilizer and storage on the ascorbic acid content of potatoes grown in New York State (N. Y. (Cornell)-54). Katherine Johnson Karikka, Lola T. Dudgeon, and Hazel M. Hauck.
 Self-incompatibility in several species of *Ribes* in the Western States (K-327). H. R. Offord, Clarence R. Quick, and Virgil D. Moss.
 Husk development of sweet corn as affected by moisture supply, an important factor in corn earworm control (K-331). G. W. Barber.
 Pollination and seed formation in grasses (G-1295). D. C. Smith.

News for farmer cooperatives. Vol. 10, No. 10, January 1944. Price 10¢ a copy; \$1.00 a year, domestic.⁴

Rural electrification news. Vol. 9, No. 5, January 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 9, No. 7, January 1944; Vol. 9, No. 8, February 1944. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

LET'S HELP REDUCE FOOD WASTE

One way to increase the amount of food available for war purposes is to cut down on the proportion that is wasted. Studies on the amount of food waste indicate that from 20 to 30 percent of all the food produced in this country is wasted somewhere between the plow and the plate.

This means in concrete terms: If a farmer works 12 hours a day to produce food, 3 of those hours are thrown away; and for every 8-acre field planted, 2 of the acres are sown, cultivated, and harvested only to make bigger garbage dumps. Incredible? Figures show that this is actually what happened before the war, and sample studies made during the past few months indicate that the over-all wastage of food has not been substantially reduced.

Higher prices, stronger demand, rationing, scarcities, and the world-wide urgent need for all possible food are factors which work to reduce the normal waste. But these are offset by shortages of labor, machinery, transportation, and storage facilities; by the use of untrained help in food processing plants, stores, and restaurants; by the increase of money available for purchase of food; and by the fact that many housewives are working outside the home and have had to relegate food purchase, preparation, and service to the status of an incidental job.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

⁴ May be obtained from Farm Credit Administration, Kansas City, Mo.

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Here, in brief, are where and how the waste of food occurs:

1. On the farm, some crops are left unharvested; in addition, insects, rodents, and plant and animal diseases destroy hundreds of millions of dollars worth of food annually. Rats alone destroy as much food each year as more than 200,000 farmers can produce!
2. Based on damage claims paid by Class I railroads, it is estimated that at least 2 percent of all food is wasted in transit.
3. Waste in retail and wholesale markets amounts to 10 percent or more of all perishable produce handled.
4. More people are eating in restaurants—up to 55 million meals a day are now being served; and plate and kitchen waste is heavy.
5. Garbage collections from homes have declined, but still the average individual is throwing out half a pound of food or more every day. Much of this wastage results from discard of left-overs; poor home storage; and unwillingness to use bread crusts, outer leaves of lettuce and cabbage, tops of beets, turnips, celery, and green onions; failure to “clean up the plates”, and hasty or careless preparation, resulting in unappetizing meals.

The significant facts about food waste are these:

Few people willfully waste food—everyone tries to be frugal—yet the garbage cans continue to fill up.

The waste that counts is the little bits and dribblets that flow from every home in a constant stream and build up to mountainous proportions on the garbage dumps.

An important part of the waste consists of discards of foods not commonly eaten: We peel and trim away great quantities of our most nutritious foods, without ever thinking of this “refuse” as waste.

Not everyone can be a food producer, but every man, woman, and child can help reduce food waste.

The data add up to a wastage of a quarter of all the food produced, with a third of this amount being wasted in our homes. The housewife who eliminates this waste entirely will save 75 cents out of every \$5 in her food budget. And all together we can add substantially to the supply of food available to help win the war.

Publications available from the Department dealing with food waste:

The conservation of food. 1. In the home.

Facts on food waste.⁵

Information for public speakers on food waste.⁵

Discussion guide on food conservation for women's groups.⁵

Fight food waste in the home. (AWI-3.)⁵

Kitchen intruders—Why tolerate them? (AWI-70.)

Why feed the insects? (AWI-64.)

Food conservation—A cooperative job for all teachers and pupils.⁵

Reducing food waste in retail stores.⁵

⁵ Apply to the Office of Distribution, War Food Administration.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS DEPARTMENT OF AGRICULTURE

FEBRUARY 1944

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TECHNICAL BULLETINS

Comparison of corn and corn-molasses mixture for fattening beef calves before and after weaning. M. W. Hazen, Bureau of Animal Industry; and James E. Comfort, University of Missouri. 11 p., illus. (T. B. 862T.) Price 5¢.

Management of jack pine stands in the Lake States. F. H. Eyre and Russell K. LeBarron, Forest Service. 66 p., illus. (T. B. 863T.) Price 15¢.

MISCELLANEOUS PUBLICATIONS

A Victory Gardner's handbook on insects and diseases. W. H. White, Bureau of Entomology and Plant Quarantine; and S. P. Doolittle, Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (M. P. 525M.) Price 10¢.

North Carolina forest resources and industries. J. W. Cruikshank, Forest Service. 76 p., illus. (M. P. 533M.) Price 25¢.

Growing vegetables in town and city. Victor R. Boswell and Robert E. Wester, Bureau of Plant Industry, Soils, and Agricultural Engineering. (M. P. 538M.) [40] p., illus. Price 10¢. This publication supersedes F. B. 1044.

Directory of U. S. Register of Merit sires and dams qualifying under the National Poultry Improvement Plan (1941-42 trap-nest record year). Compiled by A. B. Godfrey and Paul B. Zumbro, Bureau of Animal Industry. 57 p. (M. P. 539M.) Price 10¢. For sale only.

SOIL SURVEYS

California, Santa Cruz area. (No. 25, Series 1935.) 90 p., illus. Price 40¢.

California, Tracy area. (No. 5, Series 1938.) 95 p., illus. Price 60¢.

Montana, Upper Musselshell Valley area. (No. 1, Series 1939.) 48 p., illus. Price 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. December 1943. (S. R. A. B. A. I. 440.) Pp. 75-80. Price 5¢ a copy; 25¢ a year.¹

OTHER PUBLICATIONS

Agricultural statistics, 1943. Joseph A. Becker, Paul Froehlich, Gordon P. Boals, A. E. Brandt, Kelsey B. Gardner, James M. Hunt, H. C. Larsen, S. W. Mendum, Merrill Sickles, and Clifton C. Warren. 548 p. Price 65¢ (paper cover).

Annual report on tobacco statistics, 1943. Food Distribution Administration. 83 p. (CS-6).

Physical land conditions on the San Mateo County Soil Conservation District, California. Robert S. Ayers, Soil Conservation Service. 36 p., illus. (P. L. S. 33). Price 45¢. For sale only.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Report of the Administrator of agricultural research, 1943, includes reports of the following agencies of the Administration: The Bureaus of Agricultural and Industrial Chemistry; Animal Industry; Dairy Industry, Entomology and Plant Quarantine; Human Nutrition and Home Economics; Plant Industry, Soils, and Agricultural Engineering; and the Office of Experiment Stations. Eugene C. Auchter. 236 p. Price 25¢.

Report of the Secretary of Agriculture, 1943, Claude R. Wickard. 252 p. Price 30¢. This report covers all activities of agencies in the Department and the War Food Administration.

Report on the agricultural experiment stations, 1943. J. T. Jardine, F. Andre, H. P. Barss, E. C. Elting, F. D. Fromme, H. C. Knoblauch, F. V. Rand, Sybil L. Smith, H. M. Steece, R. W. Trullinger, J. W. Wellington, and B. Youngblood, Office of Experiment Stations. 112 p. Price 20¢.

AGRICULTURAL WAR INFORMATION

Wartime harvests from farm woodlands. Soil Conservation Service, Forest Service, and Extension Service. 18 p., illus. (AWI-80).

PERIODICALS

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Agricultural situation. Vol. 28, No. 2, February 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Crops and markets. Vol. 21, No. 1, January 1944. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Experiment station record. Index to Vol. 88. January-June 1943; Vol. 90, No. 3, March 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

Extension service review. Vol. 15, No. 2, February 1944. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Foreign agriculture. Vol. 8, No. 2, February 1944. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

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— Vol. 68. No. 3. February 1, 1944. Illus. Contents:

Influence of controllable environmental conditions of regeneration of jack pine and black spruce (F-101). Russell L. LeBarron.

The effect of water deficits in the tree upon maturity composition, and storage quality of Bosc pears (G-1293). A. Lloyd Ryall and W. W. Aldrich.

The amphidiploids *Aegilops cylindrica* × *Triticum durum* and *A. ventricosa* × *T. durum* and their hybrids with *T. aestivum* (G-1297). E. R. Sears.

— Vol. 68, No. 4. February 15, 1944. Illus. Contents:

Effect of fertilizer, soil composition, and certain climatological conditions on the calcium and phosphorus content of turnip greens (Miss.-4). O. A. Sheets, L. McWhirter, W. S. Anderson, M. Gieger, L. Ascham, H. L. Cochran, M. Speirs, R. Reder, J. B. Edmond, E. J. Lease, J. H. Mitchell, G. S. Fraps, J. Whitacre, S. H. Yarnell, W. B. Ellett, R. C. Moore, and H. H. Zimmerley.

News for farmer cooperatives. Vol. 10, No. 10, January 1944. Price 10¢ a copy; \$1.00 a year, domestic.²

Rural electrification news. Vol. 9, No. 6, February 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.³

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² May be obtained from Farm Credit Administration, Kansas City, Mo.

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Farmers' Bulletins	AWI	Other publications

Prepared by

C. A. LINDSTROM, Associate Chief of Motion Picture Service.

Motion pictures have been used by the Department of Agriculture since 1913 as an aid in its educational, administrative, and regulatory work. It was Secretary "Tama Jim" Wilson who recognized that with the motion picture he could demonstrate to thousands how to grow hogs or handle the poultry flock where it had been possible to reach but tens, and at but a fraction of the cost. Since his time the motion picture has been used, not only to demonstrate, but to inform and guide the farm people of the country on subjects having to do with the conduct of their operations, the control of insects and disease, care of livestock, propagation of plants, conservation, forestry, road building, soils, and weather. The home was not neglected. Care of home and children, the farmstead, clothing were all subjects of Department motion pictures.

Since the start of this war, the Department motion picture program has been geared largely to assist the farmer in solving the problems brought on by the necessity for conversion from the crops of peace to unprecedented production of food and oil and fiber crops required for total war. Certain movies have been designed to build and maintain morale among the hard-pressed farm people and, in the interest of harmony and cooperation, to give others an appreciation of what the farmers are doing to help win the war. Certain films have been of the "how to do it" type; others have presented problems for consideration.

The Department's war pictures for farmers may be classified into three main types:

1. Guidance and incentive pictures, designed to encourage the production of adequate supplies of food, fiber, and oils to meet our war demands and to stress the need for conservation of our resources.
2. "How to do it" pictures, designed to explain certain steps, processes, or methods in agriculture, home economics, and forestry.
3. Morale building films, designed to give farmers a true picture of the importance of their work to our success in the war.

The following are fair illustrations of the first type:

Home on the Range.—When the meat shortage was foreseen, the picture was gotten out to point the way to increased production. Practices shown are those advocated in the Government's range program.

Live at Home.—Designed to encourage farmers to grow more foodstuffs for use at home, thus relieving transportation facilities of a considerable burden and releasing more of the marketed foods for men in our fighting forces.

Farm Battle Lines.—Brings out the fact that sound farming methods and conservation practices will help the southern farmer to produce more fats and oils and more of the foods needed for the Food-For-Freedom program.

Of the second type are such films as the following:

The Farm Garden.—Presenting the fundamentals of garden husbandry. It shows how to plan a garden, prepare the ground, when and how to plant, how to control disease and pests, and how to transplant, thin, and cultivate.

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Hemp for Victory.—The Japs cut off our supply of East Indian coarse fibers, making it necessary for the American farmer to supply the urgent needs of our Army and Navy with American-grown hemp. Small amounts of hemp had been grown. The farm practices of these growers are shown with the idea of encouraging other farmers to grow hemp to meet the war emergency.

Good examples of the third type are:

The Farmer's Wife.—A documentary explanation of the farm woman's part in winning the war—accepting the increased responsibilities of wartime farming with a spirit that is an inspiration to young and old alike.

Henry Browne, Farmer.—Shows a representative Negro family doing its part in the agricultural war production program, while a son trains with the 99th Pursuit Squadron near Tuskegee, Alabama.

The foregoing types of films are aimed primarily at the farm people. Others are designed to meet the needs of the public in general for information on the food situation. **It's Up To You** goes into the whys and wherefores of point rationing and the evils of the black market. **Canning the Victory Crop** shows in detail how to can fruits and vegetables. **Dehydration** shows the advantages that have accrued through the development of the dehydration industry as a war measure and what it means to our food economy of the future.

Prints of Department films may be obtained from 52 cooperating films libraries in 44 of the States, and the Territories of Alaska and Puerto Rico. These libraries are located at universities and colleges. The agricultural colleges in some of the States have these film libraries. A catalog of Department films is available for review in the office of each county agricultural agent.

LISTEN TO NATIONAL FARM AND
HOME HOUR

Monday through Friday over stations associated with the BLUE Network.

12:30 p. m. Eastern War Time.
11:30 a. m. Central War Time.
10:30 a. m. Mountain War Time.
6:15 a. m. Pacific War Time.

(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all BLUE Network stations.

LISTEN TO CONSUMER TIME

Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

12:15 p. m. Eastern War Time.
11:15 a. m. Central War Time.
10:15 a. m. Mountain War Time.
9:15 a. m. Pacific War Time.

Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

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MONTHLY LIST OF PUBLICATIONS

MARCH 1944

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FARMERS' BULLETINS

Sewage and garbage disposal on the farm. J. W. Rockey and J. W. Simons, Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (F. B. 1950F.) Price 10¢.

LEAFLETS

Production of carrots. J. H. Beattie and W. R. Beattie; Bureau of Plant Industry, Soils, and Agricultural Engineering; revised by R. E. Wester and S. P. Doolittle, Bureau of Plant Industry, Soils, and Agricultural Engineering. 4 p., illus. (Leaf. 125L., rev.) Price 5¢.

Production of peppers. J. H. Beattie, S. P. Doolittle, revised by W. R. Beattie, Roy Magruder, R. E. Wester, and S. P. Doolittle, Bureau of Plant Industry, Soils, and Agricultural Engineering. 7 p., illus. (Leaf. 140L., rev.) Price 5¢.

TECHNICAL BULLETINS

The cabbage looper as a pest of lettuce in the Southwest. K. B. McKinney, Bureau of Entomology and Plant Quarantine. 30 p., illus. (T. B. 846T.) Price 10¢.

Investigations in erosion control and reclamation of eroded land at the Blackland Conservation Experiment Station, Temple, Tex., 1931-41. H. O. Hill, W. J. Peevy, A. G. McCall, F. G. Bell, Soil Conservation Service, in cooperation with the Texas Agricultural Experiment Station. 109 p., illus. (T. B. 859T.) Price 20¢.

CIRCULARS

Management of sheep on range infested with orange sneezeweed. C. W. Doran and J. T. Cassady, Forest Service. 28 p., illus. (Cir. 691C.) Price 10¢.

Control of bacterial wilt (*Bacterium solanacearum*) of tobacco as influenced by crop rotation and chemical treatment of the soil. T. E. Smith, Bureau of Plant Industry, Soils, and Agricultural Engineering, and North Carolina Agricultural Experiment Station. 16 p., illus. (Cir. 692C.) Price 10¢.

Single grains and grain mixtures as supplements to alfalfa hay and silage for milk production. J. R. Dawson, A. L. Watt, C. W. McIntyre, R. E. Leighton, and R. R. Graves, Bureau of Dairy Industry. 11 p. (Cir. 696C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Treat seed grain. A. G. Johnson and R. W. Leukel, Bureau of Plant Industry, Soils, and Agricultural Engineering; and R. J. Haskell, Extension Service. 12 p., illus. (M. P. 219M., rev.) Price 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements. January 1944.** (S. R. A.-B. A. I. 441.) Pp. 75-80. Price 5¢ per copy; 25¢ a year.¹
- Bureau of Animal Industry. Service and regulatory announcements. Index, January-December 1943.** Pp. 81-82. (S. R. A.-B. A. I.) Price 5¢.
- Modification of white-fringed beetle quarantine regulations.** Effective January 14, 1944. Amendment No. 1 to the rules and regulations supplemental to notice of quarantine No. 72. Bureau of Entomology and Plant Quarantine. 3 p. (B. E. P. Q.-Q.-72).²
- Notices of judgment under the Insecticide Act. Nos. 1886-1895.** Office of Distribution. Pp. 581-587. (N. J., I. F. 1886-1895).²

OTHER PUBLICATIONS

- Commodity futures statistics July 1942-June 1943.** Office of Distribution. 38 p. (CS-7). Price 15¢.
- Food program for 1944.** Marvin Jones, War Food Administration. 96 p. Price 15¢.
- Informe de la estación experimental de Puerto Rico, 1942.** Office of Experiment Stations. 32 p. (Spanish edition).²
- Physical land conditions in Schuyler County, New York.** J. A. Bonsteel and B. J. Patton, Soil Conservation Service. 65 p., illus. (P. L. S. 31). Price 40¢. For sale only.
- Report of the Chief of the Bureau of Agricultural and Industry Chemistry, Agricultural Research Administration, 1943.** W. W. Skinner. 40 p. Price 10¢.
- Report of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1943.** A. W. Miller. 48 p. Price 10¢.
- Report of the Chief of the Bureau of Dairy Industry, Agricultural Research Administration, 1943.** O. E. Reed. 24 p. Price 10¢.
- Report of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1943.** P. N. Annand. 58 p. Price 10¢.
- Report of the Chief of the Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, 1943.** Henry C. Sherman. 12 p. Price 5¢. For sale only.
- Report of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1943.** Robert M. Salter. 32 p. Price 10¢.
- Report of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1943.** James T. Jardine. 12 p. Price 5¢.
- Report of the Puerto Rico Experiment Station, 1943.** Office of Experiment Stations. 38 p. Price 10¢. For sale only.²

AGRICULTURAL WAR INFORMATION

- Substitutes for scarce materials.** (AWI-15, rev.) 16 p.
- Prevent tank deterioration.** Marvin E. Fowler, Bureau of Plant Industry, Soils, and Agricultural Engineering. [8] p., illus. (AWI-82.)
- Eight point National Milk Production program, 1944.** War Food Administration, the United States Department of Agriculture, and the State Extension Services, in cooperation with the Dairy Industry Committee. (AWI-83.) Folder.
- The War Food Administration's achievement "A" award for food processors.** Office of Distribution. Illus. (AWI-84.) Folder.
- Potatoes in popular ways.** Bureau of Human Nutrition and Home Economics. Illus. (AWI-85.) Folder.
- Prevent accidents.** (AWI-87.) Folder.

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Farmers' Bulletins	AWI	Other publications

PERIODICALS

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- Agricultural situation.** Vol. 28, No. 3, March 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹
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- Bibliography of agriculture.** Vol. 4, No. 3, March 1944. Price 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.¹
- Consumers' guide.** Vol. 10, No. 4, March 1944. Limited free distribution. Price 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹
- Experiment station record.** Vol. 90, No. 4, April 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹
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- Foreign agriculture.** Vol. 8, No. 3, March 1944. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹
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Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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- Vol. 68. No. 5. March 1, 1944. Illus. Contents:
Chemical composition of certain forage crops as affected by fertilizers and soil types (Wash.-39). S. C. Vandecaveye and G. O. Baker.
Studies of microbial activity, chlorate reduction, and chlorate toxicity in soils treated with sodium chlorate (Minn.-123). Russell T. Nelson.
- Vol. 68. No. 6. March 15, 1944. Illus. Contents:
Methods of estimating the physical and chemical composition of cattle (N. Dak.-20). T. H. Hopper.
- Vol. 68. No. 7. April 1, 1944. Illus. Contents:
Blister spot, a bacterial disease of apple. (G-1296.) M. A. Smith.
- Land policy review.** Vol. VII, No. 1. Spring 1944. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹
- News for farmer cooperatives.** Vol. 10, No. 11, February 1944; Vol. 11, No. 1, April 1944. Price 10¢ a copy; \$1.00 a year, domestic.³

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3-44

Rural electrification news. Vol. 9, No. 7, March 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 9, No. 9, March 1944. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

VICTORY GARDENS 1944

By ERNEST G. MOORE, Manager, United States Department of Agriculture
Victory Garden Program

There is a big job for everyone this year. Growing food for freedom is one of the most important jobs for the people on the home front.

The Department of Agriculture and the War Food Administration have set a goal this year of 22 million Victory gardens over last year's 20 million. Last year 8 million tons of food were produced from those 20 million Victory gardens. This year gardeners are asked to produce 10 million tons of food. This means an increase of 2 million gardens, or 10 percent, and an increase of 2 million tons of food, or 25 percent.

Victory gardeners throughout the country can, I think, meet this goal. They have had at least 1 year's experience in growing food, and by that experience gardeners can grow better Victory gardens in the United States this year.

Because of the large amount of food produced in Victory gardens last year, food ration points on some vegetables have been reduced. Beans, for example, were taken off the ration list altogether. We hope that Victory gardeners can keep up this record production and possibly keep down ration points on vegetables and fruits.

One of the needs this year will be more local Victory garden leaders. These leaders can help the beginner grow better crops and in this way save seed, fertilizer, and labor that might otherwise be wasted. The leaders can supply this lack of knowledge, thus helping to make better Victory gardens.

Supplies for Victory gardens, such as seeds, fertilizer, and insecticides are expected to be more plentiful than a year ago.

Just because we produced so much food in Victory gardens last year does not mean that our job has ended. Farmers have just about reached their limit in food production, and the more food we produce the more food we will have.

There are about 11 million men and women in the Armed Services, and several million of these are overseas. These men and women must be supplied with the proper food. Also, there will be millions of people in liberated countries who will need food that we will be able to supply.

By growing more Victory gardens and better Victory gardens, we here in the United States can do our war work and can help not only ourselves but our men and women in the Armed Services and our Allies.

There are many publications both in the Department and in the State agricultural colleges on gardening. Two very good publications of the Department of Agriculture are:

A Victory Gardener's Handbook on Insects and Diseases (MP 525)
Growing Vegetables in Town and City (MP 538)

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

APRIL 1944

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FARMERS' BULLETINS

Judging condition and utilization of short-grass ranges on the central Great Plains. David F. Costello and George T. Turner, Forest Service. 21 p., illus. (F. B. 1949F.) Price 10¢.

LEAFLETS

Making grass silage by the wilting method. T. E. Woodward, Bureau of Dairy Industry. 4 p., illus. (Leaf. 238L.) Price 5¢.

TECHNICAL BULLETINS

Timber-connector joints, their strength and design. John A. Scholten, Forest Service. 106 p., illus. (T. B. 865T.) Price 20¢.

Nature and extent of Mormon cricket damage to crop and range plants. Ralph B. Swain, Bureau of Entomology and Plant Quarantine. 44 p., illus. (T. B. 866T.)

Strains of the European corn borer in the United States. K. D. Arbuthnot, Bureau of Entomology and Plant Quarantine. 20 p., illus. (T. B. 869T.) Price 10¢.

CIRCULARS

Control of the Mexican bean beetle in irrigated districts in the West. R. L. Wallis, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 675C.) Price 5¢.

Ratooned S×P cotton. R. H. Peebles and H. J. Fulton, Bureau of Plant Industry, Soils, and Agricultural Engineering. 11 p. (Cir. 693C.) Price 5¢.

Maturity and handling of green-wrap tomatoes in Mississippi. J. M. Lutz, Bureau of Plant Industry, Soils, and Agricultural Engineering. 12 p., illus. (Cir. 695C.) Price 5¢.

Influence of type of hog on production efficiency. J. H. Zeller and H. O. Hetzer, Bureau of Animal Industry. 16 p., illus. (Cir. 698C.)

MISCELLANEOUS PUBLICATIONS

Publications and visual information on soil conservation. Revised January 1944. Compiled by Etta G. Rogers, Soil Conservation Service. 20 p. (M. P. 446M., rev.) Price 10¢.

Experiment station research on the vitamin content and the preservation of foods. Georgian Adams and Sybil L. Smith, Office of Experiment Stations. 88 p. (M. P. 536M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. February 1944. (S. R. A.-B. A. I. 442). Price 5¢ per copy; 25¢ a year.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

- Quarantine and other official announcements relating to treatment of restricted or prohibited plants or plant products temporarily in the United States.** Service and regulatory announcements October–December 1943. Bureau of Entomology and Plant Quarantine. Pp. 37–44. (S. R. A.–B. E. P. Q. 157).²
- Order amending regulations relating to meat inspection.** Food Distribution Administration. 1 p. (Amdt. 18 to B. A. I. Order 211, rev.)²

OTHER PUBLICATIONS

- A brief review of food and nutrition in five countries.** Five lectures by delegates to the United Nations Food Conference. War Food Administration. 28 p. (NFC-11). Price 10¢.
- Food consumption levels in the United States, Canada and the United Kingdom.** Report of a Special Joint Committee set up by the Combined Food Board. War Food Administration. 121 p. Price 20¢. For sale only.
- This Report is published in Canada by the King's Printer, in the United Kingdom by His Majesty's Stationery Office, and in the United States by the Government Printing Office.
- What agricultural extension is.** C. B. Smith, former Assistant Director of Extension Work. 6 p. Price 5¢.

AGRICULTURAL WAR INFORMATION

- Wheat grading at country points.** Extension Service. (AWI-86). Folder.
- Good seed potatoes give best results.** R. J. Haskell, Extension Service and War Food Administration; and R. R. Pailthorp, Office of Distribution. [6] p. (AWI-88). Folder.
- Join us on the farm front.** Extension Service and War Food Administration. (AWI-91). Folder.
- Your country's armed services need milkweed floss.** Soil Conservation Service. (AWI-94). Folder.

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- Agricultural situation.** Vol. 28, No. 4, April 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹
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- Agriculture in the Americas.** Vol. 4, No. 4, April; Vol. 4, No. 5, May 1944. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹
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- Consumers' guide.** Vol. 10, No. 5, April 1944; Vol. 10, No. 6, May 1944. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹
- Experiment station record.** Vol. 90, No. 5, May 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹
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- Vol. 68. No. 8. April 15, 1944. Illus. Contents:
- Changes in some mineral constituents of pecan nuts and their supporting shoots during development (G-1311). Rulon D. Lewis and J. H. Hunter.
 - A pomological and cytological study of a russeted sport of the Stark apple (Mich.-41). C. P. Swanson and V. R. Gardner.
 - Survival on grass plots of eggs and larvae of the stomach worm, *Haemonchus contortus* (A-215). D. A. Shorb.
 - Factors affecting the ascorbic acid content of cabbage lines (G-1298). Charles F. Poole, Paul C. Grimbail, and Margaret S. Kanapaux.
- Vol. 68, No. 9. May 1, 1944. Illus. Contents:
- A comparison of the viscosity and certain microscopical properties of some Kansas starches (Kan.-98). H. N. Barham, J. A. Wagoner, B. M. Williams, and G. Nathan Reed.
 - Effect of corn barriers on natural crossing in cotton (G-1305). O. A. Pope, D. M. Simpson, and E. N. Duncan.
- News for farmer cooperatives. Vol. 11, No. 2, May 1944. Price 10¢ a copy ; \$1.00 a year, domestic.³
- Rural electrification news. Vol. 9, No. 8, April 1944. Price 10¢ a copy, 75¢ a year, domestic ; \$1.50 a year, foreign.²
- Soil conservation. Vol. 9, No. 10, April 1944. Price 10¢ a copy ; \$1 a year, domestic ; \$1.50 a year, foreign.¹

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- 6:15 a. m. Pacific War Time.

(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all BLUE Network stations.

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- 9:15 a. m. Pacific War Time.

Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

INSECTS AND PLANT DISEASES AND THE VICTORY GARDEN

By W. H. WHITE, Principal Entomologist, Bureau of Entomology and Plant Quarantine, and S. P. DOOLITTLE, Senior Pathologist, Bureau of Plant Industry, Soils, and Agricultural Engineering

The quantity and importance of the food produced by the Victory gardener during the season of 1943 is a matter of record. That this production would have

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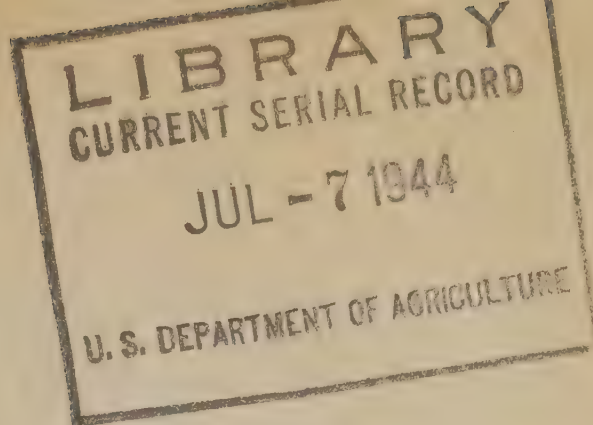
been greater and its cost less if the new gardener had had a more intimate knowledge of how to deal with insect pests and plant diseases is evidenced by the many requests received from Victory gardeners on plant pest control. Unless one is familiar with these hazards of gardening, no matter how well organized the garden plans, how suitable the soil and favorable the season, insects and plant diseases will reduce yields unless steps are taken to prevent or control them.

The proper steps to take do not always follow the same pattern. The matter of how the insects or diseases affect the plant growth governs the treatment. The remedy may be in the selection of varieties resistant to disease, the treatment of the seed, the application of insecticides or fungicides directly to the plant, or the regulation of planting dates to avoid peaks of abundance of the insects. Wastage of seed and effort may be avoided by not planting a crop in some areas where it would be particularly susceptible to destruction by an insect or a disease. The old adage, "An ounce of prevention is worth a pound of cure," is well applied to the garden and is especially important in wartime when food is needed and the supplies of garden materials and manpower are limited.

Fortunately all of the many kinds of insects and diseases which attack vegetable crops do not occur in every section of the country, nor do they all feed on nor affect all kinds of crops. Some insects are general feeders. Others restrict their feeding to members of the same plant family, and some species confine their feeding to certain types of plants within the plant family. To illustrate, such pests as the corn earworm, the plant lice, cutworms, and grasshoppers have a wide distribution and attack a wide variety of crops. The cabbage maggot and the harlequin bug have a more restricted distribution and diet. The Mexican bean beetle and the Colorado potato beetle, although not occurring in all parts of the United States, are distributed over a sufficient range to characterize them as pests of national importance; however, the former confines its feeding mostly to garden beans and the latter to potatoes, tomatoes, and eggplants. The results of the direct feeding of the insect are not always as important as other conditions because some insects transmit serious plant diseases while others during the feeding process inject into the plant a poisonous substance which prevents its proper development. For example, plant lice, during their feeding, transmit potato diseases. The bean leafhopper causes a condition on beans and potatoes known as hopperburn.

As an aid to the Victory gardener in recognizing the insects and diseases and the type of damage they cause, the Department has issued Miscellaneous Publication 525, Victory Gardener's Handbook on Insects and Diseases. It describes the common insects and diseases of vegetables together with methods of control. The insects are illustrated and short descriptions of both the diseases and the insects are given as an aid in identifying the pests. The insecticides and fungicides recommended in that publication are considered to be the most satisfactory under present conditions of shortages of materials. The illustrations of apparatus for applying insecticides and fungicides, some of which are makeshift devices, should aid the Victory gardener to obtain equipment most suitable for his needs. It is recognized that the home-made devices for applying insecticides and fungicides are not the most efficient applicators but, because of the shortage of proper manufactured equipment, these methods are recommended.

P 967m



United States Department of Agriculture

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MAY 1944

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FARMERS' BULLETINS

Fish for food from farm ponds. Verne E. Davison and J. A. Johnson, Soil Conservation Service. 22 p., illus. (F. B. 1938F., rev.) Price 10¢.

Blueberry growing. George M. Darrow and R. B. Wilcox, Bureau of Plant Industry, Soils, and Agricultural Engineering; and Charles S. Beckwith, New Jersey State Agricultural Experiment Station. 38 p., illus. (F. B. 1951F.) Price 10¢.

Control of flue-cured tobacco root diseases by crop rotation. E. E. Clayton, J. G. Gaines, T. E. Smith, K. J. Shaw, and T. W. Graham, Bureau of Plant Industry, Soils, and Agricultural Engineering. 12 p., illus. (F. B. 1952F.) Price 10¢.

Making a dress at home. Margaret Smith, Bureau of Human Nutrition and Home Economics. [24] p., illus. (F. B. 1954F.) Price 10¢.

Onion-set production. J. C. Walker, University of Wisconsin and Bureau of Plant Industry, Soils, and Agricultural Engineering; and W. C. Edmundson and H. A. Jones, Bureau of Plant Industry, Soils, and Agricultural Engineering. 21 p., illus. (F. B. 1955F.) Price 10¢.

TECHNICAL BULLETINS

Investigations in erosion control and the reclamation of eroded land at the Palouse Conservation Experiment Station, Pullman, Wash., 1931-42. Glenn M. Horner, A. G. McCall, and F. G. Bell, Soil Conservation Service, in cooperation with the Washington Agricultural Experiment Station. 83 p., illus. (T. B. 860T.) Price 20¢.

Responses of beans (*Phaseolus*) and other legumes to length of day. H. A. Allard and W. J. Zaumeyer, Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p., illus. (T. B. 867T.) Price 10¢.

CIRCULARS

Method of testing legume bacteria cultures and results of tests of commercial inoculants in 1943. L. T. Leonard, Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p. (Cir. 703C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations. 1943-44. Betty T. Richardson, Office of Experiment Stations. 155 p. (M. P. 535M.) Price 25¢. Free distribution limited to Department officials.

Some plain facts about the forests. Forest Service. 22 p., illus. (M. P. 543M.) Price 10¢.

Community canning centers. Office of Distribution. 99 p., illus. (M. P. 544M.) Price 25¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. March 1944. Pp. 13-20. (S. R. A.-B. A. I. 443). Price 5¢ a copy; 25¢ a year.¹

Grades, requirements, and regulations of the War Food Administrator for carrying out the provisions of the Export Apple and Pear Act. Service and regulatory announcements No. 143, revised. Office of Distribution. 7 p. (S. R. A.-O. D. 143, rev.) Price 5¢.¹

AGRICULTURAL WAR INFORMATION

Guides for cutting timber in the Northeast. Forest Service. 12 p. (AWI-90).
Soil conservation aids soybean production. Soil Conservation Service. 8 p., illus. (AWI-92).

Can you also profit from soil conservation? Soil Conservation Service. [2] p., illus. (AWI-98).

FARM CREDIT ADMINISTRATION

Purchasing farm supplies through Southern States Cooperative, Inc. John H. Lister and Alexander Swantz, Farm Credit Administration. 150 p., illus. (Cir. No. C-128).²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 28, No. 5, May 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 3, No. 2, February 1944; Vol. 3, No. 3, March 1944. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. 4, No. 6, June 1944. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 4, No. 3, May 1944. Price 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹

Consumers' guide. Vol. 10, No. 7, June 1944. Limited free distribution. Price 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹

Experiment station record. Vol. 90, No. 6, June 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

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Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

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² May be obtained from Farm Credit Administration, Kansas City, Mo.

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Farmers' Bulletins	AWI	Other publications

- Vol. 68. No. 10. May 15, 1944. Illus. Contents:
- Stem-end rot of oranges and factors affecting its control (G-1304). Charles Brooks.
 - A study of the Sweet-and-Sour apple chimera and its clonal significance (Mich.-42). V. R. Gardner.
- News for farmer cooperatives. Vol. 11, No. 3, June 1944. Price 10¢ a copy; \$1 a year, domestic.²
- Rural electrification news. Vol. 9, No. 9, May 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹
- Soil conservation. Vol. 9, No. 11, May 1944. Price 10¢ a copy; \$1. a year, domestic; \$1.50 a year, foreign.¹

SAVING FOOD SURPLUS

BUREAU OF HUMAN NUTRITION AND HOME ECONOMICS

The Department of Agriculture again urges Americans to preserve the fresh food surplus. Whether rationing is on or off commercially preserved foods, it's common sense to grow fruits and vegetables and save the surplus in view of the constantly changing food picture and the long job to be done during and after the war.

Canning is one of the best ways to keep many kinds of food when directions, backed by scientific research, are accurately followed. This year the Department has worked with State and other agencies in an effort to pool results of home-canning research and extract all ideas and methods that are best by test. The aim has been to send this information Nation-wide so that the finest canning procedures, based on scientific research, will be used as uniformly as possible. A new 16-page bulletin, giving clear, how-to-do-it directions for recommended ways of canning has been issued as a result of the Department's research and consultation with other groups. It includes illustrated directions for adjusting five main types of jars and seals, and picture pages showing how to can peaches, tomatoes, and beans. Write for AWI-93, Home Canning of Fruits and Vegetables.³

Pressure canners, necessary for safe canning of meat, poultry, and low-acid vegetables, must operate efficiently and be handled properly to preserve food safe to eat. For the information of homemakers, community canning groups, demonstration agents, teachers and others interested, AWI-65, Take Care of Pressure Canners, has been issued.³

Storage is another method used to preserve less perishable fruits and vegetables during winter months. Detailed directions for handling those that can be stored at home, both on farms and in cities and towns, are given in Farmers' Bulletin 1939, Home Storage of Vegetables and Fruits.³

Drying, one of the oldest methods of preserving food, has long been favored in warm, cloudless climates where drying is possible out of doors. As the war progressed and more and more dried foods were sent abroad, dehydration gained

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² May be obtained from Farm Credit Administration, Kansas City, Mo.

³ Free copies on request.

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wide public attention. One result was a demand for a simple home method of drying food indoors. To serve this end there was issued AWI-59, Oven-Drying—One Way to Save Victory Garden Surplus.³

Salting and brining, used the world over for many centuries to preserve food, have been under research by the Department in cooperation with the North Carolina Agricultural Experiment Station. Methods have been developed for using relatively a small amount of salt compared to that required in old-time directions. The result is a saving of vitamins since vegetables brined or salted by the new methods need little or no soaking before cooking. Farmers' Bulletin 1932, Preparation of Fruits and Vegetables by Salting or Brining⁴ gives directions for the newer methods.³

Pickle-making is generally of two types: Shorter processes and the long brine method that requires 2 months or more for fermentation. A pamphlet giving the shorter methods including the preparation of pickled fruits and relishes is AWI-103, Pickle and Relish Recipes.⁴ Also available is Farmers' Bulletin 1438, Making Fermented Pickles, which includes the long brine method.³

Freezing food to preserve it is popular in localities where fruits and vegetables can be obtained garden-fresh and homemakers have home freezing units or access to community freezer lockers. Directions for preparing foods for freezing and for cooking them later for the table are included in AWI-100, How to Prepare Vegetables and Fruits for Freezing.^{3 4}

Jelly and jam recipes are published in Farmers' Bulletin 1800, Home-Made Jellies, Jams, and Preserves.³

³ Free copies on request.

⁴ In press.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JUNE 1944

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FARMERS' BULLETINS

Sweetpotato diseases. L. L. Harter, Bureau of Plant Industry, Soils, and Agricultural Engineering, 26 p., illus. (F. B. 1059F., rev.) Price 10¢.

Lettuce varieties and culture. Ross C. Thompson, Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F. B. 1953F.) Price 10¢.

LEAFLETS

Moderate grazing pays on California annual-type ranges. August L. Hormay, Forest Service. 8 p., illus. (Leaf. 239L.) Price 5¢.

TECHNICAL BULLETINS

The brown spot needle blight of pine seedlings. Paul V. Siggers, Bureau of Plant Industry, Soils, and Agricultural Engineering. 36 p., illus. (T. B. 870T.) Price 10¢.

***Apanteles diatraeae*, a braconid parasite of the southwestern corn borer.** E. G. Davis, Bureau of Entomology and Plant Quarantine. 19 p., illus. (T. B. 871T.) Price 10¢.

Decay in balsam fir in New England and New York. Perley Spaulding, and J. R. Hansbrough, Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (T. B. 872T.) Price 10¢.

CIRCULARS

Laboratory studies on the toxicity of tartar emetic to the Mexican fruitfly. C. C. Plummer, Bureau of Entomology and Plant Quarantine. 14 p., illus. (Cir. 697C.) Price 5¢.

Curing and storage methods in relation to quality of Porto Rico sweetpotatoes. J. M. Lutz, Bureau of Plant Industry, Soils, and Agricultural Engineering. 12 p., illus. (Cir. 699C.) Price 5¢.

Dry land rotation and tillage experiments at the Akron (Colorado) Field Station. J. F. Brandon and O. R. Mathews, Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with Colorado Agricultural Experiment Station. 53 p., illus. (Cir. 700C.) Price 10¢.

Hog-housing requirements. T. A. H. Miller and Wallace Ashby, Bureau of Plant Industry, Soils, and Agricultural Engineering; and J. H. Zeller, Bureau of Animal Industry. 16 p., illus. (Cir. 701C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Vegetable and fruit dehydration. A manual for plant operators. Bureau of Agricultural and Industrial Chemistry. 218 p., illus. (M. P. 540M.) Price 30¢.

VFFV on the farm front. Extension Service, 12 p., illus. (M. P. 542M.) Price 10¢.

Thomas Jefferson, soil conservationist. Hugh H. Bennett, Soil Conservation Service. [16] p., illus. (M. P. 548M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. April 1944. Pp. 21-27. (S. R. A.-B. A. I. 444). Price 5¢ a copy; 25¢ a year.¹

Japanese beetle quarantine. No. 48. Chapter III. Part 301. Domestic quarantine notices. Revision of quarantine and regulations, effective March 30,

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

1944. Bureau of Entomology and Plant Quarantine. 8 p. (B. E. P. Q.-Q 48, rev.)²

Pink bollworm quarantine. No. 52. Chapter III. Part 301. Domestic quarantine notices. Revision of quarantine and regulations, effective May 1, 1944. Bureau of Entomology and Plant Quarantine. 7 p. (B. E. P. Q.-Q 52, rev.)²

Quarantine and other official announcements relating to Japanese beetle, quarantine No. 48. Service and regulatory announcements. January-March 1944. 31 p. Bureau of Entomology and Plant Quarantine. (S. R. A. -B. E. P. Q. 158)²

SOIL SURVEYS

Indiana, Vanderburgh County. (No. 2, Series 1939). 148 p., illus. Price 75¢.

North Dakota, Billings County. (No. 25, Series 1934). 111 p., illus. Price \$1.25.

OTHER PUBLICATIONS

Cut food waste. Office of Distribution. (NFC-12). Pamphlet. Price 5¢.

Food conservation education in the elementary school program. War Food Administration USDA in cooperation with the U. S. Office of Education, Federal Security Agency. 22 p., illus. (NFC-13).

AGRICULTURAL WAR INFORMATION

Freezing meat and poultry products for home use. Bureau of Animal Industry. (AWI-75). Pamphlet.

Egg dishes for any meal. Bureau of Human Nutrition and Home Economics. 16 p. (AWI-89).

Home canning of fruits and vegetables. Bureau of Human Nutrition and Home Economics. 16 p., illus. (AWI-93).

Victory garden insect guide. Extension Service and Bureau of Entomology and Plant Quarantine. 16 p., illus. (AWI-95).

Your job as a work leader. Extension Service. (AWI-96). Pamphlet.

Making high-grade hay. Office of Distribution. (AWI-97). Pamphlet.

Pitch in and help! Extension Service. (AWI-101). Pamphlet.

The Women's Land Army of the U. S. Crop Corps 1944. Extension Service. 8 p., illus. (AWI-102).

OFFICE OF FOREIGN AGRICULTURAL RELATIONS

The fruit industry of Mexico. Fred A. Motz, Office of Foreign Agricultural Relations; and Lester D. Mallory, American Embassy, Mexico, D. F. 184 p., illus. (F. A. R. Rpt. 9). Price 45¢. For sale only.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchases or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 28, No. 6, June 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 3, No. 4, April 1944. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. IV, No. 7, July 1944. Illus. Price 10¢ a copy, 75¢ a year domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 4, No. 6, June 1944. 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹

Consumers' guide. Vol. 10, No. 8, July 1944. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹

Crops and markets. Index to Vol. 20, 1943; available upon request to the Bureau of Agricultural Economics. Vol. 21, No. 2, April 1944. Price 10¢ a copy, 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

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Farmers' Bulletins	AWI	Other publications

Experiment station record. Index to Vol. 89, July-December 1943; Vol. 91, No. 1, July 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only, price 15¢.¹

Extension service review. Vol. 15, No. 6, June 1944. Illus. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Foreign agriculture. Vol. 8, No. 6, June 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

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— Vol. 67. Index. July 1–December 15, 1943. Price 5¢ a copy.¹

— Vol. 68, No. 11. June 1, 1944. Illus. Contents:

Effects of harvest date and curing on the composition and palatability of pecan nuts (G-1294). C. L. Smith and A. J. Loustalot.

A disease of gloxinia caused by *Phytophthora cryptogea* (Calif.-135). John T. Middleton, C. M. Tucker, and C. M. Tompkins.

Relation between hot-water extractives and decay resistance of black locust wood (G-1308). Theodore C. Scheffer, Harry G. Lachmund, and Henry Hopp.

— Vol. 68. No. 12. June 15, 1944. Illus. Contents:

A rapid method for finding the volume and density of muskmelon fruits (Minn.—124). T. M. Currence, R. E. Lawson, and R. M. Brown.

Some root rots and a foot rot of lupines in the southeastern part of the United States (G-1303). J. L. Weimer.

Land policy review. Vol. VII, No. 2. Summer 1944. Price 10¢ a copy, 30¢ a year, domestic; 45¢ a year, foreign.¹

News for farmer cooperatives. Vol. 11, No. 4, July 1944. Price 10¢ a copy; \$1.00 a year, domestic.³

Rural electrification news. Vol. 9, No. 10, June 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation.—Vol. ix, No. 12, June 1944. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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THE U. S. CROP CORPS
EXTENSION SERVICE

War calls for increasing food supplies, food for the Army, the Navy, and the Marines, food for hard-working war workers, food for the Allies fighting with us, food for the starving people in the liberated countries. The farmers have planted and cultivated but must have extra help to harvest the crops. About 4 million will be needed to supplement the regular farm labor force. The U. S. Crop Corps has been organized to help in this work so vitally important to the war effort.

Many of the workers in the crop corps will have to come from the ranks of women and youth. About 1,200,000 school boys and girls are working this summer. These were recruited in high schools all over the land; and most of them are spending their entire summer picking beans or tomatoes, haying, hoeing, helping the farmer in a hundred different ways. These young folks of the corps are called Victory Farm Volunteers. An account of this organization and how it works is contained in the publication, "VFV on the Farm Front" (M. P. No. 542), May 1944. For boys and girls interested in joining, the recruiting leaflet, "Join Us on the Farm Front" (AWI-91), March 1944, will tell them the things they want to know about the organization and how to join.

The Women's Land Army needs 800,000 women to work on the farms, mostly in harvesting fruit and vegetables on the east and west coasts and on the shores of the Great Lakes. Many will be needed for such specialized jobs as detasseling hybrid seed corn, a job at which they proved very satisfactory last year, even without experience. The story of the Women's Land Army is given in the publication, "The Women's Land Army of the U. S. Crop Corps 1944" (AWI-102) May 1944. The recruiting leaflet, "Pitch in and Help!", AWI-101, tells the businesswoman on vacation, the college girl with her summer free, the housewife with afternoons to give, the professional woman who is willing to contribute week ends just where she will fit into the picture and how to enroll in the Women's Land Army.

The 48 State extension services have set up 11,881 placement offices scattered throughout the 3,000 counties. Those wishing to help harvest the crops to win the war can get in touch with the county agricultural agent or the local farm employment office. The county agent is usually located in the county seat, with offices in the courthouse, the Federal building, or the post office.

Other publications which give information on the farm labor problem and what is being done to help recruit workers are: "Your Job as a Work Leader" (AWI-96) May 1944; "Make Food Fight for Freedom by Working on a Farm" February 1944. "Farm Labor Needs in 1944," January 1944, containing maps which show the places where labor shortage is most acute each month, can be obtained from the Extension Service.

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Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

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Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

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FARMERS' BULLETINS

Strawberry culture: Eastern United States. George M. Darrow, Bureau of Plant Industry, Soils, and Agricultural Engineering. 42 p., illus. (Farmers' Bulletin 1028F., rev.) Price 10¢.

Onion diseases and their control. J. C. Walker, Bureau of Plant Industry, Soils, and Agricultural Engineering. 25 p., illus. (Farmers' Bulletin 1060F., rev.) Price 10¢.

Preservation of vegetables by salting or brining. John L. Etchells, Bureau of Agricultural and Industrial Chemistry, and Ivan D. Jones, North Carolina Agricultural Experiment Station. 16 p., illus. (Farmers' Bulletin 1932F., rev.) Price 5¢.

Good pastures. A. T. Semple, Soil Conservation Service, and M. A. Hein, Bureau of Plant Industry, Soils, and Agricultural Engineering. 22 p., illus. (Farmers' Bulletin 1942F., rev.) Price 10¢.

Growing the transplant onion crop. H. A. Jones, Bureau of Plant Industry, Soils, and Agricultural Engineering; L. R. Hawthorn, Texas Agricultural Experiment Station; and G. N. Davis, California Agricultural Experiment Station. 25 p., illus. (Farmers' Bulletin 1956F.) Price 10¢.

LEAFLETS

Kobe, a superior lespedeza. Roland McKee and Howard L. Hyland, Bureau of Plant Industry, Soils, and Agricultural Engineering. 6 p., illus. (Leaflet 240L.) Price 5¢.

AGRICULTURAL WAR INFORMATION SERIES

Home-built electric dehydrator. Bureau of Human Nutrition and Home Economics. [12] p., illus. (AWI-76.)

Twelve points in grading dry edible beans. Extension Service. [12] p., illus. (AWI-99.)

How to prepare vegetables and fruits for freezing. Bureau of Agricultural and Industrial Chemistry. (AWI-100.)

Pickle and relish recipes. Bureau of Human Nutrition and Home Economics. 16 p. (AWI-103.)

Tomatoes on your table. Bureau of Human Nutrition and Home Economics. [20 p.] (AWI-104.)

Mobilizing help to save crops. Extension Service. Illus. (AWI-106.)

CIRCULARS

Productive management of honeybee colonies in the Northern States. C. L. Farrar, Bureau of Entomology and Plant Quarantine. 28 p., illus. (Circular 702C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Make-overs from coats and suits. Clarice L. Scott, Bureau of Human Nutrition and Home Economics. [16] p., illus. (Miscellaneous Publication 545M.) Price 10¢.

Principles of nutrition and nutritive value of food. Henry C. Sherman, Bureau of Human Nutrition and Home Economics. 40 p. (Miscellaneous Publication 546M.) Price 10¢.

Minimum-wage budgets for women. Bureau of Human Nutrition and Home Economics. 42 p. (Miscellaneous Publication 549M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Index to service and regulatory announcements, 1943. Bureau of Entomology and Plant Quarantine. 2 p. (S. R. A.-B. E. P. Q. Index, 1943.) ¹

Service and regulatory announcements. Bureau of Animal Industry. May 1944. Pp. 29-34. (S. R. A.-B. A. I. 445.) Price 5¢ a copy; 25¢ a year, domestic; 60¢ a year, foreign. ²

Table of contents to Service and Regulatory Announcements, with list of plant pests intercepted with imported plants and plant products, Nos. 154-157, inclusive; January-December, 1943. Bureau of Entomology and Plant Quarantine. 2 p. (S. R. A.-B. E. P. Q.) ¹

SOIL SURVEYS

Mississippi, Tishomingo County. (Series 1937, No. 10.) 104 p. Price 55¢.

TECHNICAL BULLETINS

Financial aspects of selective cutting in the management of second-growth pine-hardwood forests west of the Mississippi River. R. R. Reynolds, W. E. Bond, and Burt P. Kirkland. Forest Service. 118 p., illus. (Technical Bulletin 861T.) Price 20¢.

A monographic study of bean diseases and methods for their control. L. L. Harter and W. J. Zaumeyer, Bureau of Plant Industry, Soils, and Agricultural Engineering. 160 p., illus. (Technical Bulletin 868T.) Price 25¢.

Title pages and table of contents for Technical Bulletins 801-825. Office of Information. 12 p. Price 5¢. For sale only.

Title pages and table of contents for Technical Bulletins 826-850. Office of Information. 12 p. Price 5¢. For sale only.

OTHER PUBLICATIONS

Physical land conditions in Polk County, Georgia. J. H. Winsor and C. L. Veatch, Soil Conservation Service. 55 p., illus. (Physical Land Survey No. 34.) Price 20¢. For sale only. ²

Popular publications for the farmer and homemaker. Eleanor W. Clay, Office of Information. 31 p. (List No. 5.)

Regulations governing the inspection, humane treatment, and safe transport of animals for export (except to Mexico). Bureau of Animal Industry. Effective on or after July 1, 1944. 7 p. (B. A. I. Order 378.) ¹

PERIODICALS

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Agricultural situation. Vol. 28, No. 7, July 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign. ²

Agriculture decisions. Vol. 3, No. 5, May 1944. Price 15¢ a copy; \$1.50 a year.

Bibliography of agriculture. Vol. 5, No. 1, July 1944. 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign. ²

Experiment Station record. Vol. 91, No. 2, August 1944. Price \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index, domestic; \$1.75 per volume, foreign. Single numbers for sale only, 15¢. ²

Extension service review. Vol. 15, No. 7, July 1944. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign. ²

Foreign agriculture. Vol. 8, No. 7, July 1944. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign. ²

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Farmers' Bulletins	AWI	All others

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

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———— Vol. 69, No. 1. July 1, 1944. Illus. Contents:

- Smut resistance in an *Allium* species hybrid (Key No. G-1312). J. C. Walker, H. A. Jones, and A. E. Clarke.
- Effects of soil treatments on the growth of the high-bush blueberry (Key No. Mich.-43). T. A. Merrill.
- Potato varieties in relation to blackening after cooking (Key No. Wis.-145). G. H. Rieman, W. E. Totttingham, and John S. McFarlane.
- Chemical composition of some American wild feedstuffs (Key No. A-217). Thomas R. King and Harold E. McClure.

———— Vol. 69, No. 2. July 15, 1944. Illus. Contents:

- Comparison of shoot apex and leaf development and structure in diploid and tetraploid maize (Key No. 1307). L. F. Randolph, Ernst C. Abbe, and John Einset.
- Damping-off in broadleaf nurseries of the Great Plains region (Key No. G-1313). Ernest Wright.

———— Vol. 69, No. 3. August 1, 1944. Illus. Contents:

- Anatomical and cytological studies on beet mosaic (Key No. Calif.-136). Katherine Esau.
- Reaction of *Lactuca* species to the aster yellows virus under field conditions (Key No. G-1302). Ross C. Thompson.
- Differential effects of temperature on the development of the beet leafhopper (Key No. K-332). F. H. Harries.

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are accordingly available by purchase now.

- Biology of *Allotropa burrelli* a gregarious parasite of *Pseudococcus comstocki* (Key No. K-329). Pp. 159-167, illus., from Vol. 69, No. 4. D. V. Clancy.
- Relation of cultivation to depletion of root reserves in European bindweed at different soil horizons (Key No. Iowa-33). Pp. 137-147, illus., from Vol. 69, No. 4. A. L. Bakke, W. G. Gaessler, L. M. Pultz, and S. C. Salmon.

News for farmer cooperatives. Vol. 11, No. 1, April 1944; Vol. 11, No. 5, August, 1944. Price 10¢ a copy; \$1.00 a year.²

Rural electrification news. Vol. 9, No. 11, July 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Soil conservation. Vol. X—No. 1, July 1944. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

U. S. DEPARTMENT OF AGRICULTURE
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7-44

MILKWEED FLOSS FOR THE ARMED FORCES

Campaigns for the collection of milkweed pods from wild plants in 29 States are being organized by the Department of Agriculture.

The silky floss in the seed pod of the common milkweed plant is the most acceptable substitute for kapok in life jackets, life belts, aviators' suits, and similar equipment requiring a filler that is light, buoyant, and reasonably waterproof. New importations of Java kapok are, of course, cut off by Japanese occupation of the Dutch East Indies. Milkweed floss is a hollow-stemmed fiber with a waxy coating, and in some respects is superior to kapok as filler for flotation gear.

A processing plant to separate the floss from the seed and pods has been erected by the Defense Supplies Corporation at Petoskey, Michigan. On rather short notice, an experimental collection campaign was conducted last year, confined mostly to nine counties in northern Michigan. A total of 95,000 pounds of floss resulted. Minimum requirements this year have been placed at 1,500,000 pounds, and the collection program has been extended to 29 States where milkweed is sufficiently prevalent to justify intensive campaigns.

Based on the results of the 1943 program, the Department is depending upon school-age children to do most of the picking. The collection of milkweed pods is a task that the children can perform easily, and offers them an opportunity to help directly in winning the war and in saving lives of American service men and women.

The pods will be picked in the early fall when the seeds burn brown. Picking will be done in open-mesh onion bags which will be furnished free to collectors. The bags hold one bushel of pods and when air-dried, weigh about five pounds. Fifteen cents a bag will be paid for fresh-picked pods, and 20 cents a bag for air-dried pods. The pods will dry properly if hung on a fence in the open air for a period of about two weeks. The pods will spoil if taken indoors or stacked before they are dried.

In organizing local pod collection drives, the Department has the cooperation of schools, 4-H clubs, Boy Scouts, Girl Scouts, Camp Fire Girls, and the Junior Red Cross. County War Boards and County Agricultural Agents are also assisting. Arrangements for the distribution of bags, the payment of pickers, and for assembling the filled bags for shipment to the processing plant are being made with the schools and other sponsoring youth groups.

State Milkweed Project Representatives will direct the collection campaign in Arkansas, Connecticut, Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Dakota, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin. In those States, full information can be obtained from County War Boards and County Agents. In other States, collectors will write to War Hemp Industries, Petoskey, Michigan, for instructions and bags.

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P96M
copy 4
~~copy 4~~

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

AUGUST 1944

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington 25, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

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Publications will not be sent free to foreign addresses, except when exchanges of publications are made. Foreign correspondents should apply to Superintendent of Documents, Government Printing Office, Washington 25, D. C., enclosing remittance.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Cauliflower and broccoli varieties and culture. Ross C. Thompson, Bureau of Plant Industry, Soils, and Agricultural Engineering. 17 p., illus. (Farmers' Bulletin 1957F.) Price 10¢.

AGRICULTURAL WAR INFORMATION SERIES

This new war series is presented in popular style. Each pamphlet deals with some phase of "win the war" information, such as food production, conservation, and use; the care of household and farm equipment; and helpful information on health and nutrition.

War demands salvage and re-use of fruit and vegetable containers. Office of Distribution. [6 p.] (AWI-33, rev.)

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Sampling and measuring methods for determining fineness and uniformity in wool. Elroy M. Pohle, L. N. Hazel and H. R. Keller, Bureau of Animal Industry. 14 p., illus. (Circular 704C.) Price 10¢.

Comparison of native grasses and crested wheatgrass and of supplements for beef cattle in the northern Great Plains. W. H. Black and V. I. Clark, Bureau of Animal Industry. 11 p., illus. (Circular 705C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department.

List of sires proved in dairy herd improvement associations, 1944. Bureau of Dairy Industry. 234 p. (Miscellaneous Publication 547M.) Price 30¢. Limited distribution.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Compiled by Eleanor W. Clay, Office of Information.

List of intercepted plant pests, 1943. Service and regulatory announcements, Bureau of Entomology and Plant Quarantine. 35 p.¹

Service and regulatory announcements. Bureau of Animal Industry. June 1944. Pp. 35-38. (S. R. A.-B. A. I. 446.) Price 5¢ a copy; 25¢ a year, domestic; 60¢ a year, foreign.²

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Inbreeding and heterosis and their relation to the development of new varieties of onions. H. A. Jones, Bureau of Plant Industry, Soils, and Agricultural Engineering, and Glen N. Davis, California Agricultural Experiment Station. 28 p., illus. (Technical Bulletin 874T.) Price 10¢.

OTHER PUBLICATIONS

Bibliography on butter oil. Carrie B. Sherfy, Library. 40 p. (Bibliographical Bulletin 5.) Price 10¢. For sale only.²

Fur from farm lands. Philip F. Allan, Soil Conservation Service. 12 p., illus. Reprint from Soil Conservation, Vol. IX, Nos. 11-12, for May and June 1944. Limited distribution.

Informe de la estación experimental de Puerto Rico, 1943. Office of Experiment Stations. 42 p. (In Spanish.)¹

Livestock, meats, and wool market statistics and related data, 1943. 104 p. Office of Distribution. (CS-8.) Price 20¢.

Lunch at school. [6 p.] Office of Distribution. (NFC-9, rev.)

Mexican fruitfly quarantine. Bureau of Entomology and Plant Quarantine. Effective July 3, 1944. 4 p. (B. E. P. Q.-Q. 64.)¹

National wartime food guide. Office of Distribution. Illus. (NFC-4, rev.)

Physical land conditions in Muskingum and Guernsey Counties, Ohio. C. L. Whiteford, A. H. Paschall, and E. C. Sease, Soil Conservation Service. 61 p., illus. (Physical Land Survey No. 32.) Price 35¢. For sale only.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 28, No. 8, August 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Agriculture in the Americas. Vol. IV, No. 8, August 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

Bibliography of agriculture. Vol. 5, No. 2, August 1944. 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.²

Consumers' guide. Vol. X, No. 9, August 1944. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Extension service review. Vol. 15, No. 8, August 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Foreign agriculture. Vol. 8, No. 8, August 1944. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 5¢ each. The Office of Information has none for general distribution.

¹ May be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, 25, D. C.

Vol. 69, No. 4. August 15, 1944. Illus. Contents:

Relation of cultivation to depletion of root reserves in European bindweed at different soil horizons (Key No. Iowa-33). A. L. Bakke, W. G. Gaessler, L. M. Pultz, and S. C. Salmon.

Additional strains of the sugar-beet curly top virus (Key No. G-1306). N. J. Giddings.

Biology of *Allotropa burrelli*, a gregarious parasite of *Pseudococcus comstocki* (Key No. K-329). D. W. Clancy.

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are accordingly available by purchase now.

Acquired immunity from curly top in tobacco and tomato (Key No. G-1310). Pp. 187-214, illus., from Vol. 69, No. 5. James M. Wallace.

Additional strains of the sugar-beet curly top virus (Key No. G-1306). Pp. 149-157, illus., from Vol. 69, No. 4. N. J. Giddings.

Moisture retention by some irrigated soils as related to soil-moisture tension (Key No. G-1309). Pp. 215-235, illus., from Vol. 69, No. 6. L. A. Richards and L. R. Weaver.

News for farmer cooperatives. Vol. 11, No. 6, September 1944. Price 10¢ a copy; \$1.00 a year.²

Rural electrification news. Vol. 9, No. 12, August 1944. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Soil conservation. Vol. X—No. 2, August 1944. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

NATIONAL NUTRITION PROGRAM

The big offensive in the battle against malnutrition will begin in September when the Nation's Food Fights For Freedom Program turns its attention to good All-American nutrition.

While similar programs carried out in the months past have stressed rationing, price lists, Victory Gardens, food conservation and preservation, and Crop Corps, now the emphasis turns to making that food which was produced, preserved, and conserved do a more thorough job of feeding America.

In this, the third year of America's participation in the war, there is a deeper appreciation of the vital role of food in wartime than ever before. People are concerned to learn that a study made in 1942 by the Department of Agriculture showed that family diets were far from ideal in spite of considerable improvement since a 1936 study. The existence of serious nutritional deficiency diseases in a number of communities has been brought to the attention of nutrition workers since May 1943 through nutrition clinic demonstrations with which the Nutrition Programs Branch of the War Food Administration's Office of Distribution has assisted. Insufficient income to meet family needs is one reason for poor diets

² Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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Individuals residing in foreign countries will be required to furnish remittance for the cost of the publications selected, plus postage, amounting to one-third of the cost of the publications. Requests for change of address must show old as well as new addresses. Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	AWI	All others

and malnutrition. Today, however, with spending power at an all-time high and with fewer good services available, many civilians who have increased incomes are spending more on food, but not always the right food.

In line with the growing recognition of food's importance was the creation of the National Nutrition Program, the aim of which is to show people how to adjust their eating habits to a wartime situation. The program is dedicated to the proposition that total war demands total strength and that total strength demands good nutrition. It recognizes that eating should mean more than satisfying hunger. It should provide the body daily with the right kinds of food in suitable amounts to furnish energy, provide material for building and repairing the body, and furnish substances to regulate body processes.

The solution then would seem to lie in educating the food purchaser to obtain 100 percent nutritional value from the food available. That is the mission of the National Wartime Nutrition Program.

The September theme song of advertisers—better breakfasts and lunches, especially for children and war workers—will feature the use of the "Basic 7" food groups in the often-neglected first two meals of the day. Many nutrition committees will emphasize good breakfasts and lunches as they feature good nutrition round the clock in three good meals a day.

Cornerstone of the program is the new and revised Official Wartime Food Guide (NFC-4) showing the "Basic 7" categories of food which should be eaten every day. Copies are available upon request. Also obtainable is a new free folder, "Eat a Good Breakfast to Start a Good Day" (AWI-107). Features include: a 3-point test for recognizing a good breakfast; analysis of some pattern meals from light to hearty; and helps toward solving problems that keep some individuals and households from getting a nourishing meal in the morning.

Nutrition, in everyday language, means eating three well-balanced meals a day . . . built around the "Basic 7" . . . appetizingly served and properly cooked to preserve all the food values.

LISTEN TO CONSUMER TIME

Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

12:15 p. m. Eastern War Time.
11:15 a. m. Central War Time.
10:15 a. m. Mountain War Time.
9:15 a. m. Pacific War Time.

Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

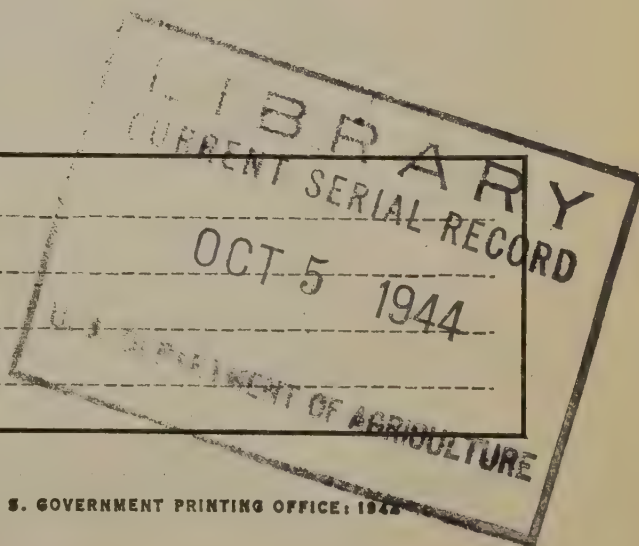
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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1944

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AGRICULTURAL WAR INFORMATION SERIES

This new war series is presented in popular style. Each pamphlet deals with some phase of "win the war" information, such as food production, conservation, and use; the care of household and farm equipment; and helpful information on health and nutrition.

Eat a good breakfast to start a good day. Bureau of Human Nutrition and Home Economics. Illus. (AWI-107.)

Shall I be a farmer? Paul V. Maris, Farm Security Administration. 34 p., illus. (AWI-105.)

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department.

A consumers' guide to U. S. standards for farm products. Catherine M. Viehmann, Office of Distribution. 21 p., illus. (Miscellaneous Publication 553M.) Price 15¢.

Family food consumption in the United States. Bureau of Human Nutrition and Home Economics in cooperation with the United States Bureau of Labor Statistics. 157 p., illus. (Miscellaneous Publication 550M.) Price 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Service and regulatory announcements. Bureau of Animal Industry. July 1944. Pp. 39-44. (S. R. A.-B. A. I. 447.) Price 5¢ a copy, 25¢ a year, domestic; 60¢ a year, foreign.¹

TECHNICAL BULLETINS

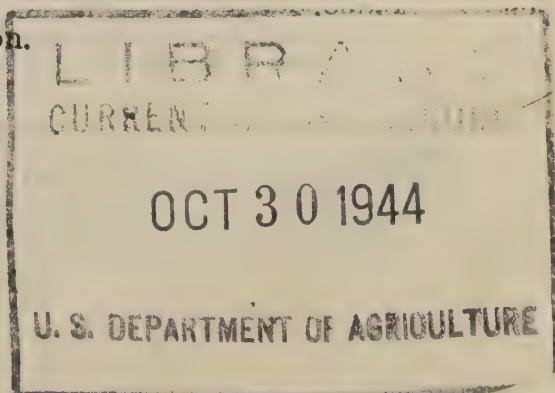
The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Investigations in erosion control and reclamation of eroded land at the central Piedmont Conservation Experiment Station, Statesville, N. C., 1930-40. T. L. Copley, Luke A. Forrest, A. G. McCall, and F. G. Bell, Soil Conservation Service in cooperation with the North Carolina Agricultural Experiment Station. 66 p., illus. (Technical Bulletin 873T.) Price 10¢.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Compiled by Eleanor W. Clay, Office of Information.

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OTHER PUBLICATIONS

- Correspondence style manual.** Office of Personnel. 30 p., illus. (Administrative Series 2.) Distribution to U. S. D. A. employees only.
- Let's talk about when Joe comes home and comes back to the farm.** Bureau of Agricultural Economics. (DS 24.) Price 5¢.¹ For discussion leaders only.
- List of bulletins of the agricultural experiment stations for the calendar years 1941 and 1942.** Compiled by Helen V. Barnes, Library. 70 p. (Bibliographical Bulletin 4.) Price 15¢.
- Notices of judgment under the Insecticide Act.** Nos. 1896-1910. Office of Distribution. Pp. 589-598. (N. J., I. F. 1896-1910.)²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- The agricultural situation.** Vol. 28, No. 9, September 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹
- Agriculture decisions.** Vol. 3, No. 7, July 1944. Price 15¢ a copy; \$1.50 a year.¹
- Bibliography of agriculture.** Vol. 5, No. 3, September 1944. 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹
- Consumers' guide.** Vol. X, No. 10, September 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹
- Crops and markets.** Vol. 21, No. 3, July 1944. Price 10¢ a copy, 30¢ a year, domestic; 45¢ a year, foreign. Quarterly.¹
- Experiment station record.** Vol. 91, No. 3, September 1944. Price \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index, domestic; \$1.75 per volume, foreign. Single numbers 15¢ a copy.¹
- Extension service review.** Vol. 15, No. 9, September 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹
- Foreign agriculture.** Vol. 8, No. 9, September 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹
- Journal of agricultural research.** Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 5¢ each. The Office of Information has none for general distribution.

- Volume 68. Index. January 1-June 15, 1944. Price 5¢ a copy.¹
- Vol. 69, No. 5. September 1, 1944. Illus. Contents:
Variation and physiologic specialization in the common scab fungus (*Actinomyces scabies*) (Key No. G-1314). L. A. Schaal.
Acquired immunity from curly top in tobacco and tomato (Key No. G-1310). James M. Wallace.
- Vol. 69, No. 6. September 15, 1944. Illus. Contents:
Moisture retention by some irrigated soils as related to soil-moisture tension (Key No. G-1309). L. A. Richards and L. R. Weaver.
Deficiency, toxicity, and accumulation of boron in plants (Key No. G-1300). Frank M. Eaton.

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are accordingly available by purchase now.

Analysis of variation in *Panicum virgatum* (Key No. G-1315). Pp. 327-353, illus., from Vol. 69, No. 8. Etla L. Nielsen.

Deficiency, toxicity, and accumulation of boron in plants (Key No. G-1300). Pp. 237-277, illus., from Vol. 69, No. 6. Frank M. Eaton.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

² These may be obtained from the issuing bureau.

- Factors influencing embryonation and survival of eggs of the stomach worm *Haemonchus contortus* (Key No. A-214). Pp. 279-287, illus., from Vol. 69, No. 7. Doys A Shorb.
- Regression of insect density on distances from center of dispersion as shown by a study of the smaller European elm bark beetle (Key No. K-333). Pp. 299-308 from Vol. 69, No. 7. F. M. Wadley and D. O. Wolfenbarger.
- The ring rot bacterium in relation to tomato and eggplant (Key No. Wis.-147). Pp. 309-325, illus., from Vol. 69, No. 8. R. H. Larson.
- Studies on the use of the point-quadrant method of botanical analysis of mixed pasture vegetation (Key No. Mo.-14). Pp. 289-297, illus., from Vol. 69, No. 7. William B. Drew.
- Land policy review. Fall 1944. Vol. 7, No. 3. 30¢ a year.¹
- News for farmer cooperatives. Vol. 11, No. 6, September 1944. Price 10¢ a copy, \$1.00 a year, domestic.¹
- Rural electrification news. Vol. 10, No. 1, September 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹
- Soil conservation. Vol. X, No. 3, September 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

“FOR THE SAKE OF AMERICA’S FUTURE”
The Grocer-Consumer Anti-Inflation Campaign

Now is the time when we must carefully guard against an inflation that would prevent the return to a peacetime balance between supply and demand. Looking back over the inflationary experiences which followed World War I, we must face the fact that the most critical period in our present price control program may arise in the months just ahead. The time to control living costs is now.

Military victories do not immediately remove the dangers of inflation. Almost half of the inflation of the World War I period occurred AFTER THE ARMISTICE. For 20 months after World War I prices rose faster than during the war.

Thanks to the amazing production of American farmers and the cooperation of the majority of food manufacturers, wholesalers, retail growers and housewives and thanks to the unstinting patriotic efforts of local War Price and Rationing Board volunteers, food prices in this war have been controlled far more effectively than in World War I. Today America has a firm grip on food prices. So long as there are any wartime scarcities and so long as large portions of our income comes from war production, heavy price pressures will remain. These pressures continue to be a serious threat to the economic security of American families and of the food industry. The grocery trade, women’s organizations, and OPA, have cooperatively planned a nation wide series of GROCER-

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins required. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington 25, D. C., enclosing remittance to cover cost of publication. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington 25, D. C.

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Farmers' Bulletins	AWI	All others

KEEP THIS LIST. FREE SUPPLY OF SOME OF THE PUBLICATIONS ORDERED MAY BECOME EXHAUSTED BY THE TIME YOUR REQUEST REACHES US. IF YOU CARE TO PURCHASE SEE INSTRUCTIONS ON ORDERING AT THE BEGINNING OF THIS LIST.

CONSUMER ANTI-INFLATION DRIVES for October, November and December of 1944. The theme is "LET'S ALL TEAM UP TO KEEP PRICES DOWN FOR THE SAKE OF AMERICA'S FUTURE."

Reticence on the part of both grocer and customer on the whole subject of ceiling prices is unquestionably the most difficult problem we have to face in getting compliance with retail food price control. The average housewife, either because of insufficient knowledge of her rights and her responsibilities or because of fear of embarrassment or petty reprisals, does not check and question prices freely and candidly.

While the vast majority of grocers are perfectly honest and willing to comply with the regulations, they hesitate to invite questions about ceiling prices and often fail to post ceiling price lists where they can be seen easily by the greatest number of people at the most opportune time, in spite of the obvious merchandising advantages of doing so. The result is that many overcharges, intentional or otherwise, go uncorrected.

As long as this reticence exists, it seems apparent that we cannot count on adequate support of the food price control compliance program on the part of either consumers or grocers. **THE JOB IS TO OVERCOME THAT RETICENCE.**

GROCERS are conducting a nation wide drive to do three things:

1. Be sure that all of their prices are at, or below, ceilings.
2. Post ceiling price lists where they can be read easily by the public.
3. Display store posters and run advertisements inviting customers to use the ceiling price lists and frankly ask questions about apparent overcharges.

WOMEN'S ORGANIZATIONS are asking their members to:

1. Use copies of "ANTI-INFLATION GROCERY LIST" to compare the prices of their regular grocery purchases with the prices on the official ceiling price lists displayed in grocery stores.
2. Question grocers frankly about apparent overcharges and commend them when their price lists are well posted and all prices are at, or below, ceiling.
3. For the protection of the vast majority of honest grocers, report uncorrected overcharges to the Price Panel of War Price and Rationing Boards.

Local War Price and Rationing Boards will be glad to assist local grocers, organizations, and individuals wishing to participate in this campaign.

The Department of Agriculture is asking all state and local agricultural agencies to cooperate with local **GROCER-CONSUMER ANTI-INFLATION CAMPAIGNS**. All of Agriculture's Food Fights for Freedom media will be devoted to this campaign during October, November, and December "FOR THE SAKE OF AMERICA'S FUTURE."

**U. S. DEPARTMENT OF AGRICULTURE
OFFICE OF INFORMATION**

WASHINGTON 25, D. C.

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United States Department of Agriculture

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OCTOBER 1944

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FARMERS' BULLETIN

Potato production in the Northeastern and North Central States. P. M. Lombard and Bailey E. Brown, Bureau of Plant Industry, Soils and Agricultural Engineering. 42 p., illus. (Farmers' Bulletin 1958F.) Price 10¢.

CIRCULARS

Meat dehydration. Agricultural Research Administration. 46 p., illus. (Circular 706C.) Price 10¢.

Picking maturity of apples. Mark H. Haller and J. R. Magness. Bureau of Plant Industry, Soils, and Agricultural Engineering. 23 p., illus. (Circular 711C.) Price 10¢.

Saline soils, their nature and management. O. C. Magistad and J. E. Christiansen, Bureau of Plant Industry, Soils, and Agricultural Engineering. 32 p., illus. (Circular 707C.) Price 10¢.

LEAFLETS

Preventing cotton-press damage. Office of Distribution and Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (Leaflet 241L.) Price 5¢.

The spruce budworm. R. C. Brown. Bureau of Entomology and Plant Quarantine. 4 p., illus. (Leaflet 242L.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Farm bookkeeping and the Federal income tax. Bureau of Agricultural Economics and Extension Service. 16 p. (Miscellaneous Publication 554M.) Price 5¢.

A review of studies on the Mexican fruitfly and related Mexican species. A. C. Baker, W. E. Stone, C. C. Plummer, and M. McPhail, Bureau of Entomology and Plant Quarantine. 155 p., illus. (Miscellaneous Publication 531M.) Price 35¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Service and regulatory announcements. Bureau of Animal Industry. August 1944. Pp. 45-50. (S. R. A.-B. A. I. 448.) Price 5¢ a copy, 25¢ a year, domestic; 60¢ a year, foreign.¹

Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. April-June 1944. Pp. 33-56. (S. R. A.-B. E. P. Q. 159.)²

TECHNICAL BULLETIN

Decay of logging slash in the Northeast. Perley Spaulding and J. R. Hansbrough. Bureau of Plant Industry, Soils, and Agricultural Engineering. 22 p., illus. (Technical Bulletin 876T.) Price 10¢.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

² These may be obtained from the issuing bureau.

OTHER PUBLICATIONS

- Dairy and poultry market statistics, 1943.** Office of Distribution. 40 p. (CS-9.) Price 10¢.
- Directory of the Meat Inspection Division.** Corrected to July 1, 1944. Office of Distribution. 45 p. Price 10¢.
- Farm land values and the war.** Prepared in the United States Department of Agriculture. 8 p., illus. (FW-1, rev.) Price 5¢.
- Vanilla curing and its chemistry.** Francisca E. Arana. Puerto Rico Experiment Station. 17 p., illus. (Puerto Rico Bulletin No. 42.) Price 5¢.
- Wartime shifts in feed and livestock production with local area comparisons.** Worley S. Earp and Eileen McDonald. Agricultural Adjustment Agency. 45 p., illus. (ACP-145.) For administrative use.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- The agricultural situation.** Vol. 28, No. 10, October 1944. Price 5¢ a copy, 50¢ a year domestic; 70¢ a year, foreign.¹
- Agriculture decisions.** Vol. 3, No. 6, June 1944; Vol. 3, No. 8, August 1944. Price 15¢ a copy; \$1.50 a year.¹
- Agriculture in the Americas.** Vol. IV, No. 9, September 1944; Vol. IV, No. 10, October 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹
- Bibliography of agriculture.** Vol. 5, No. 4, October 1944. Price 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹
- Consumers' guide.** Vol. X, No. 11, October 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹
- Experiment station record.** Vol. 91, No. 4, October 1944. Price \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index, domestic; \$1.75 per volume, foreign. Single numbers 15¢ a copy.¹
- Extension service review.** Vol. 15, No. 10, October 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹
- Foreign agriculture.** Vol. 8, No. 10, October 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹
- Journal of agricultural research.** Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 5¢ each. The Office of Information has none for general distribution.

— Vol. 69, No. 7. October 1, 1944. Illus. Contents:

- Factors influencing embryonation and survival of eggs of the stomach worm, *Haemonchus contortus* (Key No. A-214).** Doys A. Shorb.
- Studies on the use of the point-quadrat method of botanical analysis of mixed pasture vegetation (Key No. Mo.-14).** William B. Drew.
- Regression of insect density on distance from center of dispersion as shown by a study of the smaller European elm bark beetle (Key No. K-333).** F. M. Wadley and D. O. Wolfenbarger.

— Vol. 69, No. 8. October 15, 1944. Illus. Contents:

- The ring rot bacterium in relation to tomato and eggplant (Key No. Wis. 147).** R. H. Larson.
- Analysis of variation in *Panicum virgatum* (Key No. G-1315).** Etlar L. Nielsen.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

² These may be obtained from the issuing bureau.

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are accordingly available by purchase now :

- Bionomics of the Lymnaeid snail, *Stagnicola bulimoides techella*, the intermediate host of the liver fluke in southern Texas (Key No. A-219). Pp. 389-403, illus., from Vol. 69, No. 10. O. Wilford Olsen.
- The fermentation of cigar-leaf tobacco as influenced by the addition of yeast (Key No. Pa.-70). Pp. 373-381, from Vol. 69, No. 9. M. F. Gribbins, D. E. Haley, and J. J. Reid.
- Smut resistance in an *allium* species hybrid (Key No. G-1312). Pp. 1-8, from Vol. 69, No. 1. J. C. Walker, H. A. Jones, and A. E. Clarke.
- Some effects of the waxy and sugary genes on endosperm development in maize (Key No. Wis.-146). Pp. 355-371, illus., from Vol. 69, No. 9. R. H. Andrew, R. A. Brink, and N. P. Neal.
- A study of the dormancy and germination of seeds of *cercis canadensis*. (Key No. Okla.-31). Pp. 405-420, illus., from Vol. 69, No. 10. Michael Afanasiev.
- Value of soybean meal prepared from damaged (bin-burned) soybeans as a feed for growing swine (Key No. Ill.-79). Pp. 383-387, from Vol. 69, No. 9. J. L. Krider, B. W. Fairbanks, and W. E. Carroll.

- News for farmer cooperatives. Vol. 11, No. 7, October 1944. Price 10¢ a copy, \$1.00 a year.¹
- Rural electrification news. Vol. 10, No. 2, October 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹
- Soil conservation. Vol. X, No. 4, October 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

VETERANS AND THE LAND

While there is no way of knowing how many veterans want to buy farms, letters received daily in the Department of Agriculture from men in the armed forces and their families, reveal that considerable numbers are interested. Reading matter sent out by the U. S. Department of Agriculture to inquiring servicemen is calculated to give a realistic picture of farming to G. I.'s. The booklet "Shall I be a farmer?", recently issued by the department approaches the subject in such a realistic manner.

After the first World War, many veterans were encouraged to settle on farms. Some of them failed to make a success of farming, for a variety of reasons, among which were: (1) they paid more for their land than it was worth and thus incurred a debt load which the earning power of the land could not carry; (2) they were sold farms too small for an adequate family living; (3) they were

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Individuals residing in foreign countries will be required to furnish remittance for the cost of the publications selected, plus postage, amounting to one-third of the cost of the publications. Requests for change of address must show old as well as new address. Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	Leaflets	All others

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sold land that was not suited to farming; or (4) they lacked the practical farm experience that is essential for most individuals to succeed in such an exacting business as farming.

There is no need to repeat these mistakes again after this war, since we know how to avoid them. Local communities can do a great deal to see to it that veterans seeking farms are offered genuine opportunities and not misled into buying land in undesirable units or at too high prices. One way to help do this is to organize locally to bring veterans in touch with the county agricultural agent and with experienced farmers who can give them sound advice before they decide to buy or rent.

When the serviceman has selected the county in which he wants to settle, he should seek the advice and assistance of the county agricultural agent. The county agent (usually located at the county seat) can help work out farm plans and give other advice about the particular farms that are for sale.

In most agricultural counties there is a County Advisory Committee to assist the county agent in helping returning servicemen. The Committee works closely with the county agent in advising veterans as to crops suitable for the county, local farming practices, safe margin of indebtedness, leasing arrangements, and the size of farm to support a family. Also, the county agent and the Committee can recommend the type of farm credit best suited to the veteran's individual needs, and give information as to the sources of credit available in the county—whether it be for the purchase of the farm, improvement of the farm, or for stock and equipment.

The serviceman must have been released from service before he can take advantage of the partial loan guaranty to be provided by the Veterans' Administration under the "G. I. Bill of Rights." This legislation makes the World War II veteran eligible for consideration for tenant purchase loans provided by Title I of the Bankhead-Jones Farm Tenant Act of July 22, 1937. This bill also provides partial government guaranty of loans to veterans to buy farm land, livestock and equipment, or to improve farms. The guaranty can not exceed 50 percent of the loan, and the amount so guaranteed is not to exceed \$2,000.

Regulations for administering this farm loan feature of the "G. I. Bill of Rights" are being developed as rapidly as possible and will be given wide public notice when completed. Further information about this feature of the bill can be obtained, as available, from the county agent, the local representative of local government agencies, the nearest Regional Office of the Veterans' Administration, or the United States Department of Agriculture, Washington 25, D. C.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES

NOVEMBER 1944

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BULLETIN OF THE MONTH

Farmers' Bulletin 1960, "Carpet and rug repair". Bess Viemont Morrison and Irma Ekstrom, Bureau of Human Nutrition and Home Economics. 16 p., illus. Price 5¢.

New floor coverings are likely to remain on the scarce list for some time yet, so it pays to keep a good rug repaired, or to rejuvenate an old one. Rugs and carpets take a big slice of the family budget when they must be replaced; keeping them in condition is good economy. This bulletin lists equipment, materials, and picture-and-text instructions on mending both pile rugs and hooked and braided rugs.

AGRICULTURAL INFORMATION SERIES

A new series which eventually will replace the AWI series. Follows the same popular presentation of subject matter with formats running to pamphlets and small booklets.

International trade increases demand for farm products. Interbureau Committee on Post-War Programs. 16 p., illus. (AIS-1.)

Cooking dehydrated vegetables. Bureau of Human Nutrition and Home Economics. 20 p., illus. (AIS 8.)

AGRICULTURAL WAR INFORMATION SERIES

This war series is presented in popular style. Each pamphlet deals with some phase of "win the war" information, such as food production, conservation, and use; the care of household and farm equipment; and helpful information on health and nutrition.

Curing pork country style. Bureau of Animal Industry. Illus. (AWI-108.)

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Freezing injury of fruits and vegetables. D. H. Rose, R. C. Wright, and C. O. Bratley, Bureau of Plant Industry, Soils, and Agricultural Engineering. 31 p., illus. (Circular 713C.) Price 10¢.

FARMERS' BULLETIN

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

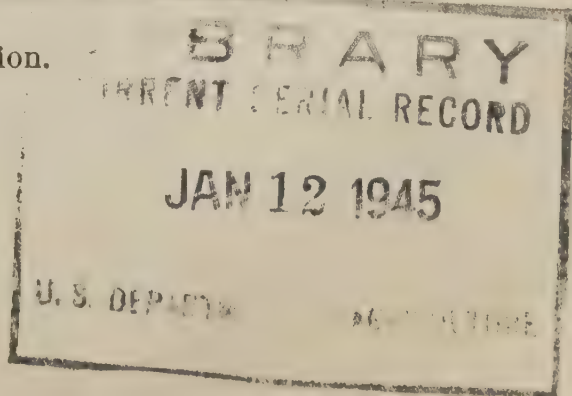
Sorghum diseases and their control. R. W. Leukel, John H. Martin, and C. L. Lefebvre, Bureau of Plant Industry, Soils, and Agricultural Engineering. 46 p., illus. (Farmers' Bulletin 1959F.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department.

Compiled by Eleanor W. Clay, Office of Information.

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Market diseases of fruits and vegetables: Beets, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, Swiss chard, and sweetpotatoes. Glen B. Ramsey and James S. Wiant, Bureau of Plant Industry, Soils, and Agricultural Engineering. 40 p., illus. (Miscellaneous Publication 541M.) Price 40¢. Restricted.

The National Turkey Improvement Plan. Bureau of Animal Industry, in cooperation with representatives of the official State agencies, the National Turkey Federation, and turkey breeders and hatcheries. 25 p. illus. (Miscellaneous Publication 555M.) Price 10¢.

Patent manual for employees of the United States Department of Agriculture, 1944. Office of the Solicitor and the Research Agencies of the Department of Agriculture. 41 p. (Miscellaneous Publication 551M.) Price 10¢. For U. S. D. A. employees only.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Service and regulatory announcements. Bureau of Animal Industry. September 1944. Pp. 51-54. (S. R. A.-B. A. I. 449.) Price 5¢ a copy, 25¢ a year, domestic; 60¢ a year, foreign.¹

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Effects of experimental nodular worm (*Oseophagostomum columbianum*) infection in sheep. Merritt P. Sarles, Bureau of Animal Industry. 19 p., illus. (Technical Bulletin 875T.) Price 10¢.

Wheat varieties resistant to the hessian fly and their reactions to stem and leaf rusts. W. B. Cartwright and R. G. Shands, Bureau of Entomology and Plant Quarantine and Bureau of Plant Industry, Soils, and Agricultural Engineering. 6 p. (Technical Bulletin 877T.) Price 5¢.

OTHER PUBLICATIONS

Let's talk about buying and selling farm products abroad. Bureau of Agricultural Economics in cooperation with the Extension Service. 8 p., illus. (DS 25.)

Physical land conditions in the Western and Southeastern Baca County Soil Conservation Districts, Colorado. John J. Underwood, Soil Conservation Service. 54 p., illus. (PLS-30.) Price 35¢. For sale only.¹

What is the discussion leader's job? Bureau of Agricultural Economics in cooperation with the Extension Service. 18 p., illus. (D-3, rev.)

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

The agricultural situation. Vol. 28, No. 11, November 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 3, No. 9, September 1944. Price 10¢ a copy; \$1.00 a year.¹

Agriculture in the Americas. Vol. IV, No. 11, November 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 5, No. 5, November 1944. Price 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹

Consumers' guide. Vol. X, No. 12, November 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Crops and markets. Vol. 21, No. 4, October 1944. Price 10¢ a copy, 30¢ a year, domestic; 10¢ a copy, 45¢ a year, foreign.¹ Quarterly.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Experiment station record. Vol. 91, No. 5, November 1944. Price \$1.25 per volume (2 volumes a year) consisting of 6 monthly numbers and index, \$2.50 a year; domestic, \$2.00 per volume; \$4.00 a year, foreign. Single numbers 20¢ a copy.¹

Extension service review. Vol. 15, No. 11, November 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. 8, No. 11, November 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

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— Vol. 69, No. 9. November 1, 1944. Illus. Contents:

Some effects of the waxy and sugary genes on endosperm development in maize (Key No. Wis.-146). R. H. Andrew, R. A. Brink, and N. P. Neal.

The fermentation of cigar-leaf tobacco as influenced by the addition of yeast (Key No. Pa.-70). M. F. Gribbins, D. E. Haley, and J. J. Reid.

Value of soybean meal prepared from damaged (bin-burned) soybeans as a feed for growing swine (Key No. Ill.-79). J. L. Krider, B. W. Fairbanks, and W. E. Carroll.

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are available by purchase now.

Anatomical and cytological studies on beet mosaic (Key No. Calif.-136). Pp. 95-117, illus., from Vol. 69, No. 3. Katherine Esau.

Chemical composition of some American wild feedstuffs (Key No. A-217). Pp. 33-46, from Vol. 69, No. 1. Thomas R. King and Harold E. McClure.

Comparison of shoot apex and leaf development and structure in diploid and tetraploid maize (Key No. G-1307). Pp. 47-76, illus., from Vol. 69, No. 2. L. F. Randolph, Ernst C. Abbe, and John Einset.

Development and survival under outdoor conditions of eggs and larvae of the common ruminant stomach worm, *Haemonchus contortus* (Key No. A-216). Pp. 421-433, from Vol. 69, No. 11. A. G. Dinaburg.

Differential effects of temperature on the development of the beet leafhopper (Key No. K-332). Pp. 127-136, illus., from Vol. 69, No. 3. F. H. Harries.

Effects of soil treatments on the growth of the high-bush blueberry (Key No. Mich.-43). Pp. 9-20, illus., from Vol. 69, No. 1. T. A. Merrill.

Reaction of *Lactuca* species to the aster yellows virus under field conditions (Key No. G-1302). Pp. 119-125, from Vol. 69, No. 3. Ross C. Thompson.

News for farmer cooperatives. Vol. 11, No. 5, August 1944; Vol. 11, No. 8, November 1944. Price 10¢ a copy, \$1.00 a year.¹

Rural electrification news. Vol. 10, No. 3, November 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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Farmers' Bulletins	AWI	All others

Soil conservation. Vol. X, No. 5, November 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16- and 35-millimeter widths. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 67 cooperating film libraries in 47 of the States, and the Territories of Alaska and Puerto Rico. A list of these film depository libraries will be sent upon request to the Office of Information.

FARM OFFENSIVE. 1 reel, 16 mm. and 35 mm., sound; black and white. Shows that with his eye on the future, and his plow in the furrow, the American farmer is on the offensive, producing the food that will help to win the war and write the peace.

FOOD AND SOIL. 1 reel, 16 mm., sound; in Kodachrome. An excellent introduction for those who want to get easily and quickly the highlights of soil conservation in the United States.

THE MAN WHO MISSED HIS BREAKFAST. 1 reel, 16 mm., and 35 mm., sound; black and white. Concerned with interesting Americans in the importance of eating some of all seven of the basic food groups each day.

MORE MILK. 1 reel, 16 mm. and 35 mm., sound; black and white. Presents the need for increased milk production. Emphasizes the fact that the country looks to the owner of small herds of a dozen cows or less to make an all out contribution.

WETLANDS. 1 reel, 16 mm. and 35 mm., sound; black and white. Shows where our 120 million acres of wetlands are located and points out that millions of these acres will serve us best if left in their natural state for the production of timber and preservation of wildlife while others are suited to farming if properly drained.

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UNITED STATES DEPARTMENT OF AGRICULTURE

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES

DECEMBER 1944

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This list will be sent free upon request. If you already receive it and have changed your address show your old address as well as new when you request that our records be changed.

BULLETIN OF THE MONTH

"Getting Started in Farming." Farmers' Bulletin 1961

This bulletin is written for those who know little or nothing about farming and for those with farming experience who want to change their locations. It is intended to serve as an aid in helping the prospective buyer or renter decide on where he wants to farm, and on how to go about selecting a farm and getting started in farming.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The citrus thrips, measures for its control, and their effect on other citrus pests.

E. A. McGregor, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Circular 708C.) Price 5¢.

This bulletin is intended to make readily available to citrus growers a knowledge of the citrus thrip on the Pacific Coast and the measures for control.

Effects of fire on gum yields of longleaf and slash pines. V. L. Harper, Forest service. 42 p., illus. (Circular 710C.) Price 10¢.

The prevention and control of forest fires in the naval stores region of the Southeast and their relation to turpentine operations have been of serious concern for many years. It is important that landowners, operators, and fire-protection groups utilize all the information available for increasing the efficiency of fire prevention and control and effectively handling naval stores operations. These efforts will be aided by the information contained in this publication.

Pruning and training tomatoes in the south. Marshall T. Deonier, George P. Hoffman, and L. R. Farnish, Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with Mississippi Agricultural Experiment Station. 16 p., illus. (Circular 712C.) Price 10¢.

Several questions have arisen in the southern tomato-producing areas in regard to pruning and training of tomatoes. To help answer these questions concerning the culture of tomatoes, experiments were carried on at several locations in Mississippi. The results of these experiments are reported in this circular.

Place and season effects on yields and starch content of 38 kinds of sweetpotatoes. Victor R. Boswell, Marshall T. Deonier, Robert L. Carolus, J. B. Edmond, O. B. Garrison, H. L. Cochran, Otis Woodard, W. S. Anderson, J. C. Miller, and Robert E. Wright, Bureau of Plant Industry, Soils, and Agricultural Engineering; the Georgia, Louisiana, Mississippi, South Carolina, and Texas Agricultural Experiment Stations; the Georgia Coastal Plain Experiment Station; and the Virginia Truck Experiment Station. 15 p. (Circular 714C.) Price 5¢.

This circular is essentially a progress report on one phase of a large, long-time, cooperative sweetpotato improvement and production project. A major object of the project is the breeding or selection and introduction of new and improved varieties that will be more productive and better adapted than the old ones that have been grown in this country.

Compiled by Eleanor W. Clay, Office of Information.

FARMERS' BULLETIN

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The windbreak as a farm asset. Carlos G. Bates, Forest Service. 22 p., illus. (Farmers' Bulletin 1405F., rev.) Price 10¢.

This bulletin explains the general principles of protection obtained from planted windbreaks, the good and bad effects which may be expected, what species should be planted, and the care needed to maintain healthy tree growth.

Getting started in farming. Martin R. Cooper, Bureau of Agricultural Economics. [34] p., illus. (Farmers' Bulletin 1961F.) Price 10¢. See page 1.

Useful records for family farms. Samuel W. Mendum, Bureau of Agricultural Economics. 29 p. (Farmers' Bulletin 1962F.) Price 10¢.

This bulletin suggests that the farmer record the general facts about his farm and home, his livestock and equipment, and his production program. The general procedure suggested is applicable whether the farmer uses a printed farm-account book or prepares his own forms.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department.

Our forests: What they are and what they mean to us. Charles E. Randall and Marie Foote Heisley, Forest Service. 38 p., illus. (Miscellaneous Publication 162M., rev.) Price 10¢.

This bulletin describes the ways of trees and forests, what forestry is, and what the practice of it means to the American people.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Service and regulatory announcements. Bureau of Animal Industry. October 1944. Pp. 55-60. (S. R. A.-B. A. I. 450.) Price 5¢ a copy, 25¢ a year, domestic; 60¢ a year, foreign.¹

OTHER PUBLICATIONS

Report of the President of the Commodity Credit Corporation, 1944. J. B. Hutson. 16 p. Price 5¢.

Report of the Librarian, 1944. Mildred Benton. 4 p. Price 5¢.

Report of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1944. James T. Jardine. 12 p. Price 5¢.

Thirty years of extension work. M. L. Wilson. Reprint from Land Policy Review, Fall 1944.²

To mark this anniversary year, the Director of Extension Work was asked to write about the underlying philosophy and principles and the future direction of the cooperative extension work.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

The agricultural situation. Vol. 28, No. 12, December 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 3, No. 10, October 1944. Price 10¢ a copy; \$1.00 a year.¹

Agriculture in the Americas. Vol. IV, No. 12, December 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 5, No. 6, December 1944. Price 35¢ a copy, \$3.75 a year, domestic; 45¢ a copy, \$4.75 a year, foreign.¹

Consumers' guide. Vol. X, No. 13, December 1944. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Experiment station record. Vol. 91, No. 6, December 1944. Price \$1.25 per volume (2 volumes a year) consisting of 6 monthly numbers and index, \$2.50

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

² These may be obtained from Extension Service, U. S. Department of Agriculture, Washington 25, D. C.

a year, domestic; \$2.00 per volume, \$4.00 a year, foreign. Single numbers 20¢ a copy.¹

Extension service review. Vol. 15, No. 12, December 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. 8, No. 12, December 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.75 a year, foreign. Each issue, 10¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at varying prices depending on their size. The Office of Information has none for general distribution.

— Vol. 69, No. 11. December 1, 1944. Contents:

Development and survival under outdoor conditions of eggs and larvae of the common ruminant stomach worm *Haemonchus contortus* (Key No. A-216). A. G. Dinaburg. Meiotic studies of crosses between *Fragaria ovalis* and *X F ananassa* (Key No. G-1318). LeRoy Powers.

— Vol. 69, No. 12. December 15, 1944. Illus. Contents:

Some host-parasite relations in the black root rot of apple trees (Key No. G-1316). J. S. Cooley.

Effectiveness of selection on progeny performance as a supplement to earlier culling in livestock (Key No. A-218). G. E. Dickerson and L. N. Hazel.)

For the present the policy has been adopted of issuing separates in advance of the Journal numbers in which they will appear. The following separates are available by purchase now.

Effectiveness of selection on progeny performance as a supplement to earlier culling in livestock (Key No. A-218). Pp. 459-476, illus., from Vol. 69, No. 12. G. E. Dickerson and L. N. Hazel.

Estimation of clean-fleece weight from grease-fleece weight and staple length (Key No. A-220). Pp. 1-10, illus., from Vol. 70, No. 1. Clair E. Terrill, Elroy M. Pohle, L. Otis Emik, and Lanoy N. Hazel.

Inheritance of reaction to smut, stem rust and crown rust in four oat crosses (Key No. Kans. 99). Pp. 43-61, illus., from Vol. 70, No. 2. George W. Cochran, C. O. Johnston, E. G. Heyne, and E. D. Hansing.

Red stele root disease of the strawberry caused by *Phytophthora fragariae* (Key No. G-1317). Pp. 11-30, illus., from Vol. 70, No. 1. Henry F. Bain and J. B. Demaree.

Some host-parasite relations in the black root rot of apple trees (Key No. G-1316). Pp. 449-458, illus., from Vol. 69, No. 12. J. S. Cooley.

Land policy review. Vol. VII, No. 4, Winter 1944. Price 10¢ a copy, 30¢ a year.¹ Quarterly.

News for farmer cooperatives. Vol. 11, No. 9, December 1944. Price 10¢ a copy, \$1.00 a year.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

CAUTION

USE THIS LABEL FOR ORDERING. KEEP THE LIST FROM WHICH THIS LABEL IS TORN. IF YOU DO NOT RECEIVE PUBLICATIONS REQUESTED IT MEANS THAT FREE SUPPLY WAS EXHAUSTED BEFORE YOUR REQUEST REACHED US. YOU WILL RECEIVE NO FURTHER COMMUNICATION FROM THIS OFFICE OTHER THAN RECEIPT OF PUBLICATIONS AVAILABLE. SEE INSTRUCTIONS ON ORDERING AT THE BEGINNING OF THIS LIST IF YOU CARE TO PURCHASE THEM.

Farmers' Bulletins	C	All others

Rural electrification news. Vol. 10, No. 4, December 1944. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Soil conservation. Vol. X, No. 6, December 1944. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

There were no new motion pictures released for the month of December.

FARM ACCIDENTS CAN BE PREVENTED

During the year 1943, approximately 17,200 farm people were killed in accidents, most of which could have been prevented. Two-fifths of the accidental deaths or 7,500 occurred in the farm home; 4,500 while doing farm work and 800 from motor vehicle accidents. The number of farm people killed while working was the highest of six major industries and amounted to 25 percent of all occupational deaths in the United States. Principal causes of fatal farm accidents are machinery, livestock, and falls.

While the thousands of farm people killed by accidents each year have a serious effect on our national farm economy, even more serious is the terrific toll of manpower taken each year by the million and a half farm people who are the victims of accidental injuries. Many of these are so seriously injured that they never again will be capable of performing useful work or of taking care of themselves. Others have only been disabled for several days, but if those few days are lost at harvest time or during other busy periods, they can have an immense effect on the year's income.

In addition to deaths and bodily injuries, farm fires also take a tremendous slice out of the farmer's pocketbook each year. At least \$100,000,000 worth of farm property is destroyed annually by fires, not to mention the fact that few farmers ever completely recover from the financial shock caused by a devastating fire. Fires result from accidents just as much as the crushed body that is found under the overturned tractor, because seldom does a fire occur that can be charged as "an act of God." Usually there is some human failure or omission such as the wet hay in the barn, the faulty lightning rod, or the cigarette carelessly thrown near the ripe grain, hay, or gasoline.

Most farm accidents are preventable! It is not necessary that each day almost 50 farm people meet an untimely death or that the toll continue which in the first 2 years of American participation in the war resulted in more accidental farm deaths than the number of fighting men killed in the war itself.

Farm accident prevention can be broken down into three steps: (1) Learn to recognize the hazards, (2) correct those hazards that can be corrected, and (3) learn to live with and avoid those hazards that cannot be practically corrected. To aid in recognizing, correcting, and living with most farm accident hazards the Department of Agriculture has a varied list of publications which will prove most helpful in checking your own farm and in bringing about that ever needed "safety consciousness" on the part of farm people.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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